

0

0.1 159:5
0.5 159:6; 200:5
01 110:18

1

1 61:22; 118:16; 128:14;
210:12; 213:23
10 44:25; 85:17; 118:16;
127:15, 24, 25; 128:1, 5, 9,
10, 15; 131:13, 22; 132:3;
136:19
10,000 136:23; 139:3
100 83:10
10:35 86:24
10th 25:5
11 52:22; 63:24; 83:6, 6,
10, 12, 15; 84:5, 9
11:50 141:7
12 119:19
12A-30 7:1
14 112:20
142 158:7
15 170:20
168 158:11
17 112:23
17th 120:5
18 115:1; 148:21
180-day 150:17
19 114:10
1921 170:8
1932 73:1
1950s 129:23
1999 20:21
1:1 182:1, 16
1:30 95:14; 141:3, 8;
153:3

2

2 61:22; 63:1; 118:19, 21;
128:15; 130:14; 150:15;
160:18; 177:2, 2; 210:12,
15; 213:4, 12, 23; 214:3;
216:3
2.5 140:13
20 117:14, 18; 127:13, 17,
20; 131:17; 140:4; 168:1;
227:4
20,000 133:12; 140:18
20-plus 149:20; 150:18
200,000 85:16
2000 16:16; 87:12; 88:6,
12; 147:7
2001 88:13; 112:9;
114:10; 148:21
2002 6:5; 112:11; 241:18
202 158:14
21 6:5

21st 13:9; 57:3
22 241:18
24 85:15
25 42:3
26 42:3
28 112:9
29 147:7

3

3 61:22, 22; 62:24;
210:15; 213:4, 12; 214:3;
216:3, 6
3-30 199:18
3.5 160:19
30 118:20; 119:7; 128:5,
16; 136:19; 138:9
30-fold 159:15
30-month 150:6, 9
300 107:21; 114:22
314.94(a)(5) 145:18
37-page 147:25
3:15 208:5, 8

4

4 62:1; 149:24
4.5 159:4; 160:20
45-day 150:3
4:05 241:16

5

5 199:18
50 171:1
50-300 140:6
500 110:21
5000 137:21
59-60 170:6

6

60 107:20, 24; 127:21
600 133:16
63-64 170:7
69-70 170:7
6a 50:20
6b 50:20

7

7 85:15
7.6 130:15
75-125 130:14, 18

8

8 24:21; 110:18; 112:10
80 159:6

80-125 205:24; 206:3
8:30 241:15, 17
8th 22:3

9

9 24:21; 162:3
90 45:1; 206:4
90-110 118:17; 119:8
90s 215:10
9th 22:4; 25:5

A

a.m 141:7; 241:17
aaiPhARMA 148:23;
149:4, 9, 12; 150:22, 23;
151:2, 7
AAPS 88:13; 110:23;
111:15; 124:11
Abbott 5:12; 7:12
abbreviated 162:7, 10;
165:24; 211:9
ability 29:19; 58:16;
60:18; 68:5; 71:19; 111:2;
176:1; 200:15, 15
able 14:21; 20:5; 42:22;
51:20; 52:1; 53:13; 54:7;
67:11; 71:21; 90:19;
101:11; 123:8; 128:18;
130:5; 142:24; 150:8;
195:9; 233:16, 18; 237:7
about-1 223:20
above 126:6; 137:16
absence 67:25; 180:7
absolutely 133:13
absorbed 12:23
absorption 156:3;
160:16, 21; 163:25; 164:1,
4, 8, 13, 17; 165:17;
196:15; 205:13, 15
absurd 133:19
absurdity 133:8
academia 21:6
academic 6:14; 39:10;
154:22; 155:11
accept 69:1; 103:17;
104:4; 116:18; 130:15
acceptability 10:7; 49:1;
82:12
acceptable 46:14, 16,
25; 59:11; 113:15; 120:1;
126:6; 152:2
acceptance 82:17;
83:18; 87:19; 88:20, 24;
90:25; 125:1; 162:18;
163:6; 166:1, 3, 11, 12, 15,
17; 167:1, 7; 171:19, 20,
25; 172:2, 9, 20; 173:22;
174:2; 175:17; 178:8;
179:13, 16; 180:7, 10, 16,
16; 223:24
accepted 214:21
accepting 113:23

access 111:11; 238:22
accessible 194:2
accommodate 81:17
accomplish 11:18; 21:3
accomplished 11:16
accomplishments 8:18,
22; 9:6, 9
according 49:10, 17;
50:2
accordingly 223:18
account 79:13; 108:9;
176:2; 179:10, 11
accurately 66:20
accuse 126:21
achieve 37:20; 91:12
achieved 135:20, 23
acknowledge 19:16;
98:18
acknowledged 200:24
Acknowledgement 6:3
acknowledges 7:6
ACPS 11:22; 37:23
acquired 47:5
acronym 178:23
across 48:12; 80:15;
207:16
act 231:14; 237:3
acting 4:9; 5:19, 21; 7:14;
8:3; 27:10; 28:11; 41:9
action 207:10
actions 239:8
active 11:7; 12:11, 20;
13:16; 21:23; 23:1; 29:13;
43:24; 74:2; 99:18;
108:14; 109:4; 145:19, 22;
147:11; 154:25; 181:12;
182:2, 3, 25; 183:21;
184:7, 8; 204:4; 206:23;
207:2, 5, 6, 8, 13, 16
actively 15:10
activities 20:19; 27:3;
32:9, 21; 34:2; 37:7; 40:1;
57:6
activity 27:20; 28:5;
42:12; 44:2; 199:12
actual 146:23
actually 9:17; 10:23;
12:9; 13:21; 15:23; 16:24;
20:25; 40:21; 43:6, 10;
56:16; 58:8; 62:20, 22;
63:10; 76:17, 21; 81:8;
86:7; 87:14; 90:14; 92:3, 6;
107:15, 19; 114:9; 119:23;
127:4; 133:15; 139:14;
145:11; 157:19; 170:16;
192:13; 197:11; 210:20;
212:12; 219:21; 221:15,
18; 230:12; 231:14;
234:15; 235:15; 240:22
ad 35:19, 21; 39:16
add 81:7; 119:16; 135:16;
214:10; 218:6
added 123:10; 180:21
adding 231:4
addition 182:11, 15;

202:18
additional 11:24; 26:19;
109:17; 112:16; 113:4;
115:21; 119:15; 134:3;
146:4; 150:18; 185:24;
198:8; 200:13
Additionally 188:12
address 7:23; 17:14;
22:19; 31:5; 32:5; 51:7;
59:11; 61:19, 20; 63:25;
78:17; 121:14, 22; 125:5,
16; 143:1, 6; 153:21;
168:14; 169:9; 171:13;
185:21; 187:14; 208:6;
209:9, 14; 212:23; 222:14
addressed 34:7; 83:3;
93:4; 112:22; 119:1;
140:17; 148:18; 200:14,
22; 212:12; 240:21
addresses 6:6; 57:13;
209:21; 211:2
addressing 9:17; 84:14
adduct 181:7
adducts 154:21; 155:1
adequacy 51:21; 112:1,
7; 125:10; 206:11
adequate 122:21; 168:7,
11; 169:6; 172:22, 23;
175:13; 176:1; 206:19;
210:7; 212:9, 11, 16;
219:4, 12, 23; 220:5;
223:4, 232:3
adequately 185:21;
187:14; 209:9; 223:16
adjust 140:25
adjust 57:16
adjustments 48:25
administer 65:10
administered 38:21;
203:21; 205:16
Administration 4:24;
6:19; 21:6; 204:6
admissible 68:24; 69:3
ado 91:6
adopt 64:10; 81:12;
219:19; 240:16
adoption 41:22
advance 186:8
Advanced 194:9
advantage 78:11;
186:13; 194:15
advantages 78:13; 84:2
adverse 20:24
advice 30:14, 14; 36:5,
16; 39:20; 40:6; 226:3
advise 32:7; 37:24
advisors 238:11
Advisory 6:4; 9:21, 25;
11:5, 8; 12:18; 16:1; 18:25;
29:19, 22; 30:11, 16, 24;
32:22, 23; 34:21; 35:3;
38:10, 23; 56:14; 112:9;
117:9; 143:6; 148:3;
153:13; 162:4; 163:12;
185:5; 190:17
affairs 5:15; 53:17

affect 153:22; 157:6, 13;
159:1, 8; 160:24; 161:2, 6;
176:10; 206:8; 216:15, 15;
223:23
affected 156:24; 215:22
affecting 74:24; 79:1
affects 159:2, 12; 210:16
affirmed 151:12
Africa 53:7
afternoon 18:9; 86:23;
141:1; 142:2, 15, 25;
153:12, 16
afternoon's 40:24
AFTERNOONPROC-
EEDINGS 142:1
Again 38:5; 47:13; 70:2;
77:21; 105:25; 144:13;
147:5; 148:14; 155:19;
156:17; 158:12; 162:20;
179:3; 181:16; 189:9;
191:8; 198:11; 199:16;
208:18; 209:17; 228:12;
238:14; 239:5; 241:1, 11,
15
again-identification
46:2
against 44:9
age 41:17, 23
agencies 31:25
agency 19:18, 25; 40:6;
56:18; 60:12; 61:19, 20;
67:24, 24; 68:11;
75:9; 87:23; 109:5,
19; 126:21
agency's 7:1; 13:6
agenda 7:19; 16:5; 19:4,
5; 40:25; 140:21
agendas 32:15
agent 78:11
agents 25:11, 15
aggregate 140:16
aging 216:23; 218:2, 3
agitating 175:25
ago 27:19; 66:17; 70:7;
129:23; 157:17; 216:18
agree 68:1; 70:15; 73:9;
85:25; 130:24; 133:23;
135:8; 213:5; 227:2, 4;
235:13
agreed 28:1, 4; 116:19
agrees 135:6; 144:15
ahead 11:15; 19:15;
26:18; 84:5; 86:22; 106:7;
141:2; 184:10; 238:6
air 157:21
Ajaz 4:11; 41:20; 51:7;
52:25; 65:1, 3; 73:5; 82:10;
111:19; 126:19; 135:6;
136:10; 139:23; 165:14;
188:25; 194:5; 226:9;
235:14; 236:22
Ajaz's 19:17
Ajaz?-awareness
237:22
algorithms 70:5

allow 78:10; 122:22;
195:7; 197:8; 217:14
allowing 187:7; 190:12
allows 60:15; 67:2, 4;
81:1; 82:5; 129:16;
186:20; 194:10
alluded 199:8
almost 8:13; 71:23; 72:2;
85:5; 191:24; 199:17
along 66:13; 70:23, 25;
215:7
alpha 170:5, 6, 8, 9, 18,
22, 25; 171:2
alteration 200:1
altered 154:8, 10; 198:9;
203:3; 207:19
alternative 36:2; 66:14;
136:7
alternatives 31:16
although 39:23; 118:1;
124:18; 127:25; 148:11;
156:6; 157:5
always 14:13; 58:5; 77:2;
109:20; 157:7, 11, 11;
174:9; 180:10; 188:24;
190:23; 191:24; 207:8;
223:9; 226:3; 230:20;
232:16
ambient 93:11; 104:14,
17
ambiguous 174:6; 190:3
American 86:16
among 88:10; 89:19
amorphous 147:13, 22;
154:4, 14, 16; 155:17, 20;
174:16, 17, 22, 23; 181:17;
187:20; 189:10; 194:14,
17, 18; 197:20, 22; 198:2,
5, 14; 205:2; 210:23;
218:8; 220:12; 223:13, 21;
224:3, 15; 227:21; 229:21;
230:24; 232:24
amount 25:16; 79:22;
85:14; 111:7; 130:15;
140:14; 188:5
amounts 193:15, 16;
194:11
analogous 195:22
analyses 195:21
analysis 43:15; 46:20;
99:12; 112:21; 113:22;
114:15, 22; 124:15;
133:16; 156:2; 192:25;
199:24; 225:4
analysis-sample
115:23
analyst 140:14
analytical 5:12; 9:18;
11:11; 16:11; 41:3; 42:6;
10; 46:20; 48:14; 50:20;
51:14; 52:9; 54:5, 8; 56:2;
136:3; 140:8
analyze 128:2, 5
analyzed 127:21; 133:12
analyzing 49:8; 51:4;
200:3

anchored 50:19
and/or 44:10; 122:15;
172:7
ANDA 87:25; 88:3, 4;
101:23; 108:22; 121:17;
144:10; 145:18, 19, 23;
147:10; 149:18, 19; 150:5;
151:25; 152:5, 8, 8; 169:5;
171:14; 209:12; 210:12,
14; 211:13; 214:20
ANDAs 100:22; 101:22;
142:17, 21; 145:21;
146:19; 150:14, 16, 17, 18;
153:18, 25; 161:20, 22;
167:25; 176:12; 234:16
ANDERSON 5:2, 2;
98:22; 99:20; 100:6, 9
animal 23:24
animals 24:5, 6, 12
Ann 199:20
announcement 6:6
annual 88:3
answered 29:8; 188:3
anticipate 32:14; 70:25;
130:4; 199:3; 210:3; 241:7
anxious 17:21; 239:11
anymore 184:3
apart 23:17; 43:15
API 190:22; 191:17;
192:22; 193:15, 16;
194:11; 214:17; 222:19
apologize 202:15
apparent 156:2; 157:2;
166:24; 167:19; 226:17
appeal 151:8
appealed 149:13
appear 234:11
appearance 6:9; 154:8,
10
appearing 170:3
appears 70:19
applicability 6:11, 13
applicant 149:6; 150:6;
151:1, 25; 168:7, 13; 169:8
applicants 148:12;
149:19, 20
application 43:18; 71:11,
14; 72:15; 173:25; 189:5,
229:12
applications 42:3; 52:7;
89:13; 100:24; 107:21;
162:6, 7, 10, 20, 21, 23;
163:7; 165:24; 168:1;
169:5
Applied 30:6; 48:18;
52:6; 106:11; 162:20
applies 100:24; 171:14;
213:5
apply 6:17; 7:5; 40:19;
48:19; 52:15; 75:14;
80:19; 81:4; 100:21;
101:1; 144:18; 162:5;
232:16, 19
appointed 21:19
appreciate 8:10; 15:21

appreciated 15:13, 18
approach 13:9; 47:24;
58:19; 60:4, 24; 63:8; 67:7,
12; 69:25; 74:9; 77:19;
122:4, 14; 132:24; 134:11;
168:13, 18; 169:9, 12, 21;
186:9; 203:4; 240:16
approach-we 67:9
approaches 52:6; 64:7;
168:14; 169:20; 170:18;
172:5; 175:18; 198:25;
207:20; 209:25
appropriate 99:10;
117:18; 129:8; 168:9, 12;
169:8; 186:21; 205:10;
208:19; 232:17, 17;
233:12
appropriately 221:4
approval 147:10; 150:7,
14; 231:17
approve 150:8
approved 22:6; 43:23;
45:11, 17, 19; 74:19; 76:5;
88:4; 149:12; 150:16, 19;
184:15; 210:12; 234:16
approving 14:18
approximately 200:5
aqueous 164:11, 24
aqueous-based 228:20
archives 237:19
are-you 65:19
area 8:13; 12:20, 22;
14:5; 16:17; 24:2; 26:1;
39:5; 43:13; 69:10; 73:23;
74:12; 90:20, 20; 106:7;
160:22; 164:11; 205:8;
213:19; 222:18; 227:11
areas 11:18; 12:24;
21:12, 12, 14, 15, 16, 20;
25:22; 30:25; 31:7; 33:15;
35:23; 36:7, 16, 21; 38:1;
42:14, 18; 138:12
arena 56:19; 143:17;
147:6; 151:21
arguing 225:10
argument 76:13; 117:19;
138:2; 176:22; 224:1;
235:9
around 18:19; 101:17;
139:1; 160:18; 206:4
arrangement 154:15, 17
arrived 113:15
Art 4:20; 102:19; 127:10;
138:18; 193:12; 218:20;
230:22
Art's 218:13
article 123:21
artifact 188:14
aseptic 18:12, 19
aside 188:16
aspect 57:13; 59:1;
68:13; 70:7; 71:21; 76:11;
78:21; 79:3, 12; 80:7;
81:25; 96:25; 102:7;
126:10; 134:6; 212:13;
240:17

aspects 40:18; 43:7;
44:4; 63:23; 67:19; 68:12;
76:25; 91:10; 95:19;
114:4; 121:4; 240:11
assembled 53:15
asserted 148:25
assess 48:4; 59:10, 25;
120:9; 124:15
assessed 231:6
assessing 62:12
assessment 29:12; 48:6;
57:22; 58:20; 63:14;
93:16; 94:2; 96:2, 4; 98:16;
109:18; 187:3; 192:9;
209:12
assign 120:10
assigned 94:6
assisted 9:3; 10:6
associate 5:22; 27:10;
28:11, 23
associated 41:17; 48:16;
52:7; 81:2
assume 78:7
assumes 81:15
assuming 133:8; 182:23,
24; 211:2; 213:2, 6
assumption 115:13;
206:17; 207:4
assurance 46:5; 112:3;
124:14; 214:22
assurances 134:4
assure 46:25; 108:21;
132:8
assuring 112:1
at-line 122:9, 15; 124:2
Atlanta 5:4; 55:8
atoms 154:15, 17
attached 29:11
attempt 231:11
attempting 40:2
attend 27:18
attention 74:6; 113:17;
123:7; 176:13
attributes 46:23; 57:15;
81:6, 9; 87:18; 88:20, 23;
89:1, 22; 90:25; 107:16,
17; 221:1; 229:5
AUC 160:22; 206:5
audience 8:9; 53:18;
83:23; 113:8
August 110:18; 112:20;
150:15
auspices 38:20
Australia 170:9
authenticity 49:5
authorities 68:7
authorized 149:3
automated 61:25; 133:16
automatically 75:22;
105:6
AV 201:19
availability 218:23
available 21:9; 26:23;
27:1; 52:20; 59:16, 19;

67:19, 25; 81:25; 87:4;
111:12; 113:25; 126:14;
129:7; 148:14; 155:23;
156:7; 176:2; 188:1;
201:17; 226:14, 17, 21, 23;
230:8; 239:7
average 43:12
averaging 140:4
avoid 8:14; 102:25;
178:24; 179:5; 230:18
aware 37:15; 197:11;
205:11; 238:4
awareness 10:20; 16:17;
17:8; 112:8
away 73:7; 121:11;
201:25
awful 199:12
axetil 147:8, 11, 14, 21;
223:12
axis 89:21, 25

B

b 50:20; 158:20, 20
BA 10:13, 16
BA/BE 175:23
back 8:17, 22; 10:23;
20:6; 34:15, 18; 53:6, 22;
69:24; 86:5; 105:25;
107:11, 21; 108:11;
111:17; 112:21; 116:16;
119:15, 23; 120:24; 140:1;
141:3; 149:13, 13; 150:12;
165:21; 170:16; 176:19;
179:21; 181:19; 185:11;
201:10, 24; 202:5; 204:10;
206:17; 208:5, 8; 209:15;
212:2; 214:25; 216:21;
217:6, 23; 228:4; 233:10,
20
backdrop 185:15
background 10:13; 30:2,
10; 41:16; 48:2; 55:21;
111:24; 129:9; 141:4;
148:3; 175:6; 201:7;
208:24
backup 45:21
BAC PAC 171:13, 23;
178:22, 24; 179:4, 8, 12,
21, 22; 180:24
bad 99:23; 136:25;
232:10
bakers 144:21
balance 231:22
balancing 231:13
base 99:7, 9; 234:22
based 24:13; 29:18; 37:9,
11; 46:21; 48:23; 50:13;
59:3; 60:2, 4; 62:19; 63:14;
82:19; 87:15, 16; 89:1, 16;
98:23; 103:18; 107:17, 22;
113:19; 115:22; 116:3;
118:9, 24; 120:8; 129:21;
132:2; 164:24; 165:12;
167:15; 183:25; 186:15,
16; 187:8; 215:19; 220:25;

225:25; 235:15
baseline 94:4
basic 161:25; 166:12;
171:23; 239:21
Basically 12:3; 13:4;
17:14; 18:2, 13; 19:4;
44:12; 47:1; 48:5; 49:10;
78:21, 22; 79:10; 91:9;
100:24; 146:15; 154:2;
155:16; 158:15; 160:2;
161:21, 23; 162:5, 16;
164:21; 165:15, 22;
166:14, 25; 170:23;
172:19, 21, 23; 175:14;
179:10; 180:9; 187:18;
195:14; 215:2; 219:22
basing 116:6
basis 19:20; 32:14; 54:2;
113:23; 215:10; 232:10;
236:2
batch 45:3, 5, 20; 48:25;
49:24; 52:14; 64:14;
85:16, 17; 105:22; 115:24;
117:15; 119:19; 131:14,
24; 132:4, 10, 14; 133:1, 8,
17; 135:9; 136:18, 22, 25;
137:22; 138:7, 12, 13, 14,
22; 180:17, 19; 211:13
batches 44:12; 75:3;
85:9; 98:11; 101:15, 18;
119:10; 133:12; 140:18
batchless 85:5, 6, 10
battery 31:23; 32:1
BCS 164:21; 167:15, 17;
220:18; 221:7; 222:4, 9
be-you 231:7
bear 54:10; 231:15
bears 229:25
beat 216:18
beautiful 158:10
became 113:23; 117:12
become 37:15; 69:14;
146:22; 195:5; 196:10;
201:6; 225:21
becomes 77:17; 151:22;
157:23; 183:15, 23; 228:7,
8
becoming 67:13; 194:2,
4; 195:4
bee 165:7
began 237:11
begin 4:5; 10:3; 20:9;
66:13, 22; 162:24; 238:17
beginning 65:14; 85:24;
106:20; 138:12; 140:15;
212:14; 230:5
beginnings 139:2
behalf 7:15
behavior 47:18; 189:23
behavioral 69:25
behind 23:15; 109:9, 10
beholder 104:17
believe-I 151:5
beneficial 18:6; 19:1
benefit 58:1; 75:15; 85:1;

133:22; 171:10; 209:18
benefit-risk 171:10
benefits 42:4, 5
Benet 142:23; 153:2;
168:21, 23; 184:22;
201:18, 21, 23; 202:1, 4,
14; 203:9; 207:23; 208:1,
8, 15; 211:18, 20; 218:24;
219:3
Bensley 54:22
Bernard 56:6
Berne 190:22
Besides 11:5
best 8:12; 21:3; 25:17;
190:23
beta 170:5, 7, 8, 10, 18,
22, 25; 171:2
better 42:17; 43:21;
44:18; 45:9; 47:7, 8; 60:23;
62:18, 20; 63:4; 74:11;
76:16; 79:15, 24; 84:10;
86:13; 115:7; 117:1;
123:8; 129:1; 132:7;
133:23, 25; 139:9, 19;
191:1; 197:8; 202:13;
238:22
beyond 70:6; 158:15;
225:21; 228:9
big 15:8; 52:23; 74:5;
99:1; 111:3, 4; 134:5;
140:17; 145:3; 164:15;
186:13; 218:21
Bill 23:6, 19
bin 138:13
bio 215:5
bioassays 31:17
bioavailability 17:16;
146:18; 157:3, 9, 10;
159:19, 23; 160:10, 11, 24;
165:11; 178:3, 6; 196:17;
205:12; 206:9; 209:11;
210:16; 213:10, 19, 25;
217:19; 223:23; 229:1
bioavailable 160:15
bioequivalence 10:4,
10; 14:18, 21; 152:6, 10;
157:3; 164:3; 165:11;
205:10; 206:11, 16;
211:12; 212:4, 5; 215:17;
220:8, 16; 224:20
bioequivalency 216:21;
217:4, 7, 13
bioequivalent 144:10;
145:6, 8; 152:3; 210:13,
25; 212:14; 216:6; 222:25;
223:3, 17; 224:10, 14, 16,
18
biologic 205:6
biologically 215:1;
235:25
Biologics 31:10
biomarker 26:16
biomarkers 20:23; 21:1,
9, 15, 17, 17; 22:7; 24:8,
13, 24; 25:13, 21; 26:8, 18;
27:1; 31:15

biomedical 55:23
biopharm 12:6
biopharmaceutical 9:13
biopharmaceutics 5:10;
38:15; 162:2, 8, 13;
163:10; 164:22; 165:13;
167:12
Biostatistics 4:14; 65:5;
113:10
biotechnology 31:13
bit 8:18; 11:20; 98:8;
117:10, 25; 144:17, 18;
145:11, 12; 173:17, 20;
174:13; 187:23; 190:15;
192:3; 196:22; 200:1;
203:8; 235:21; 237:10
bit-do 187:13
blanket 139:12
blend 10:5; 14:25; 16:21,
25; 65:15; 81:13, 14, 15,
17; 107:7; 111:18, 20;
114:15; 115:4; 121:6;
123:18; 124:16, 22, 23;
125:21, 22, 23, 24; 126:1,
1; 127:22; 135:14, 17, 25;
136:5, 6; 137:11; 239:16
blender 116:24
blending 43:12; 69:11,
12; 113:18, 22; 131:19, 20;
135:24; 240:13
blends 116:2; 118:8;
124:23
blind 59:20
BLOOM 5:5, 5
blow 230:6
blue 190:11
board 38:23; 56:3;
130:11; 185:5; 190:17
Bob 5:21; 16:9; 20:14;
27:9; 33:13; 34:8; 35:23;
39:13
BOEHLERT 5:7, 7; 6:23;
73:22; 104:12, 22; 105:1,
10, 18; 106:9; 215:6
boils 232:6, 20
bold 19:25
Book 149:2, 4, 7, 10, 15,
17, 18; 151:2, 9; 206:1
botanicals 29:13
both 13:11; 21:1, 13, 19,
23; 22:10; 24:21, 22;
25:19, 21; 26:11; 35:10;
36:17; 55:11; 110:22;
120:9; 137:17; 144:8, 23,
24, 25; 148:15; 167:1;
210:13, 24; 211:8, 11;
223:16; 229:10
bothers 233:10
bottle 140:6
bottleneck 186:19
bottom 119:17; 207:6
bound 183:23, 24
boundaries 71:3
boundary 164:11
bounded 50:7; 184:7

bounding 183:22; 184:9
box 91:23; 93:18; 145:1,
1, 2; 235:1
break 86:21, 24; 208:4, 5;
235:7
breakout 52:16
Brief 86:25; 139:25;
140:1; 142:17; 181:2;
197:22; 208:10
briefly 11:25; 30:2;
162:12; 163:9
bring 16:12; 21:25;
22:11; 40:5; 51:16; 54:8;
68:21; 120:6; 121:19;
122:8; 231:14; 239:25;
240:2
bringing 13:20; 36:16,
21; 68:9; 80:10; 131:3;
176:18; 177:14
brings 57:23; 58:21;
63:13; 81:13; 228:4
Bristol-Myer's 64:20
Bristol-Myers 199:21
Brittain 142:24; 208:3
broad 6:11; 43:7; 55:25
broad-based 38:8, 12
broad-ranging 37:17;
38:1
broader 6:13; 82:20
broadly 44:3
broken 185:24; 192:14
brought 18:24; 53:22;
54:25; 88:8, 11; 112:8
Brown 5:3
Buehler 142:5, 9, 12;
222:16
Bugay 199:20
build 61:3; 198:16
Building 7:2; 121:11;
129:14; 135:12; 198:20
built 59:12; 60:1; 134:15,
16
bulk 145:5; 239:24
burdensome 83:7; 180:2
business 5:8; 44:15;
75:20, 22; 77:18; 78:23;
123:3; 193:14
busy 237:25; 239:2
buy 193:2
buyers 86:2
by--was 223:13

C

C 158:14; 164:12; 236:13
cage 155:9
caging 181:23, 24
calculated 200:6
calibration 200:2
California 142:24
Call 4:2, 4; 73:15; 130:12;
146:7; 149:24; 154:20, 22;
155:1, 4, 5, 7; 156:13;

158:1; 160:21; 162:24;
165:2; 184:22; 192:11;
200:10; 201:24; 202:4
Callaway 5:2
170:4; 189:25;
20:21
calling 75:25
calorimetry 193:21
came 9:15; 27:17; 62:5;
71:10; 84:16; 107:22;
112:21; 115:2; 116:16;
117:11; 119:15; 129:23;
190:16
can 17:3; 19:2, 15; 20:4;
22:15, 22; 29:17; 31:2;
32:1; 34:7; 39:23; 40:5;
43:14; 45:20; 48:18, 19,
25; 50:12, 23; 54:24; 57:4;
58:1, 7, 10; 60:19, 19, 23;
61:20; 62:16, 20, 22; 63:4,
10; 64:9; 69:6; 70:25; 71:1,
2; 76:17; 77:8; 78:5; 79:8,
23; 80:3, 4; 81:17; 82:3;
84:25; 85:7, 12, 22; 86:4,
17; 88:21; 92:17; 96:5;
99:10, 22; 102:17; 104:2;
106:3, 6, 7; 109:15; 110:5;
115:3, 4, 5; 123:11;
124:16, 24, 24; 125:16;
126:2, 14; 129:1, 4; 132:4,
23; 136:11; 137:1; 138:13;
139:13; 144:1; 151:1, 14,
19; 152:17, 18, 20, 22;
153:9, 18; 155:19;
156:5, 24; 157:8; 158:6,
18, 18, 25; 159:3, 11;
160:3, 10, 14, 17; 163:13;
164:8; 165:18; 169:16, 23;
170:4; 175:21; 176:3;
177:15; 181:3, 4; 182:6;
186:18; 190:22; 191:7, 8;
192:24; 193:2, 10, 18, 25;
194:1; 198:7; 202:4;
203:5, 19; 205:4; 206:7;
210:15, 17; 211:18; 213:3,
7, 8; 214:4, 14, 23; 216:9,
22; 220:5, 14; 223:5;
225:25; 226:3, 15, 24;
227:14, 15; 230:14, 17;
231:25; 232:4, 8; 233:25;
234:8, 10, 12; 236:9;
239:7; 240:13, 14, 24
candidate 93:16; 94:8,
24; 95:11, 15, 17; 96:1, 4,
16, 21; 97:7, 20; 98:3, 13,
16
candidates 91:17
capabilities 37:4; 52:7
capsulation 113:18
capsule 163:14, 15
capsules 138:6
captured 96:25; 121:3;
127:7
ring 96:11; 97:12,
22, 23:7
carbamazepine 159:24;
160:1; 233:25; 234:14
carbon 144:8

carcinogenicity 29:11;
31:17; 36:2
cardiac 21:17; 24:11;
25:1; 26:12, 18, 24
cardiotoxic 26:7
cardiotoxicity 23:3, 11
cardiovascular 22:4
care 77:9; 179:12; 232:1
careful 161:10; 188:19;
189:11
carefully 239:3
Carolina 148:23; 151:5
carried 38:1; 180:3;
213:25
carry 212:6
case 64:24; 103:4; 105:9;
114:13, 13, 25; 125:9;
150:11; 158:5, 8; 159:24;
170:18, 21; 174:19; 175:1,
1; 181:19; 185:16; 191:4;
193:14, 14; 196:6; 198:5;
215:17; 216:1, 1; 223:14,
16, 19, 20; 224:1; 229:20;
232:9, 10, 21; 233:4, 24
cases 61:10; 73:13;
133:15; 146:3; 151:16;
170:16; 175:1; 176:5;
184:16; 197:5, 6; 216:7;
218:7; 230:13, 15; 232:15;
233:16; 235:16
catch 100:4; 108:23;
132:5; 134:8; 217:14
categorization 116:2, 4;
180:15
categorize 118:8; 155:24
category 37:14; 99:25;
101:9; 107:14; 108:17;
182:5; 194:12; 195:7;
199:17
caught 100:1; 194:7
causal 46:10; 60:16
cause 113:22; 135:25;
213:13; 226:7
causes 201:9
caution 107:25; 198:8
cautionary 198:1
caveat 198:14; 231:1
caveats 196:6
CBER 13:24; 39:9
CBER-CDER 13:22
CDER 13:25; 30:11; 34:9;
36:16, 18, 20; 37:7; 84:9
CDER's 30:19; 32:24;
33:16
CDRH 39:9
Ceftin 147:9
cefuroxime 147:8, 10,
14, 21; 223:12
cells 90:12
Center 4:16; 12:16;
13:17; 27:23; 30:12;
31:10, 11; 32:4, 5; 38:4;
53:17, 17, 19; 54:4, 6;
55:12; 64:5; 166:21;
197:20

centers 33:23
century 13:9; 57:4
certain 13:24; 34:3;
81:18; 82:6; 92:16, 22;
94:13; 121:4; 186:24;
236:7
certainly 19:17; 20:1;
86:15, 18; 156:15; 158:2,
5; 159:12; 173:10; 174:1;
180:13, 22; 189:4; 194:20;
196:5; 197:18; 201:8;
211:4; 215:8; 216:8;
220:13; 221:11; 222:20,
22; 225:11; 227:20;
229:16
certification 42:11;
51:12, 14, 19, 22; 53:24;
149:23, 24
certify 149:21
cGMPs 57:3; 59:5
chair 4:3; 5:1, 16, 19; 8:8;
15:20; 16:11, 23, 24; 23:3;
29:4; 35:7; 41:9; 112:15;
153:12; 238:3
challenge 48:9; 58:5, 6;
61:6; 76:10; 84:5, 13;
112:4; 119:25; 124:18
challenges 14:6; 126:2;
149:25; 198:25; 210:1;
231:16, 24; 240:20, 20, 23
chance 17:12; 20:18;
115:1; 130:18; 178:6;
220:12; 221:11
chances 196:10
change 15:8; 47:18; 58:4,
5; 61:6; 62:3, 7, 8, 9, 10,
15, 24; 63:1; 82:18;
105:22; 117:17; 161:14;
179:21; 212:21, 22; 213:7,
16; 217:4, 8; 218:4, 5;
219:6; 222:6; 226:13;
229:13, 17; 234:7; 235:6
changed 179:25; 180:23;
238:9
changeovers 138:13
changes 10:13; 14:14;
78:25; 88:1; 172:12;
175:13, 23; 179:24; 195:8;
198:18; 213:13; 216:13,
19, 21, 24; 217:15; 218:1;
219:13, 24; 220:6, 15, 21;
234:8, 24; 235:3, 4, 9, 10
changing 76:12; 188:9;
190:14; 191:10, 11; 206:1;
216:22; 218:3; 234:25;
236:4; 238:20
channel 155:8
channeling 181:22
channels 68:9
characteristic 137:13
characteristics 46:12;
47:18; 52:3; 90:24;
105:12, 13, 16; 108:8, 8;
178:25; 179:6; 180:4;
213:24
characterizable 111:5
characterization 90:2;

93:6, 20; 172:4, 11;
175:19; 176:6; 187:16;
192:15; 198:17; 209:19;
211:15; 223:9; 231:23
characterizations 197:5
characterize 99:9, 14,
22; 111:3; 156:7; 225:1;
240:7
characterized 93:8;
99:12, 23
chart 91:21; 177:12;
195:12
charts 200:25
check 186:10, 18, 23
check-list 186:9
checking 129:15
chemical 33:25; 37:17;
41:13, 19; 43:7, 15; 49:14,
22; 55:24; 61:8; 66:10;
68:16; 79:4; 101:8, 10;
107:16; 108:8; 146:11;
156:23; 157:1; 182:11, 20,
21; 204:20; 221:1; 226:1
chemicals 33:25
chemist 55:21
chemistry 5:3; 10:17;
54:5, 8, 9; 55:12; 56:2
chemists 190:25
chemometric 52:5
chemometrics 42:7;
57:20
Chief 148:17
Chiu 16:16; 54:23; 87:3,
7; 99:7; 100:1, 8, 10, 13,
17; 101:2, 12, 16; 102:2,
11, 15; 103:4, 9, 21;
104:19, 24; 105:8, 23;
106:18; 107:6, 15; 108:5,
19; 109:3, 10; 110:3, 13,
19, 24; 111:14; 113:6, 10;
131:12; 183:20
choose 169:21; 214:15;
223:9
Chris 55:21
circulation 163:23
circumstances 66:6;
119:2; 125:7; 197:25
citizen 147:7
CI 164:12
claimed 148:25; 149:12
clarifies 146:1
Class 165:2, 3, 4, 6
classes 165:2
classification 9:14;
58:21; 61:21; 62:23; 63:4,
15; 162:2, 9, 13; 163:10;
164:22; 165:13; 167:12,
13, 16, 17; 183:25; 221:8
classified 118:12; 119:6;
127:22; 184:1
classify 118:7; 232:22
classifying 118:23;
164:23
cleaning 85:2, 2
clear 27:8; 33:9; 38:16;

45:1; 75:11; 82:13, 22;
83:5, 12, 17; 84:23; 176:21
clearly 35:7; 39:24; 49:4;
61:2; 66:3, 5; 114:3;
151:13; 210:19; 215:16;
226:21
clinical 4:15; 12:5, 7;
15:24; 21:2; 27:3; 38:14;
54:9; 203:20; 204:12, 15;
205:9
clinically 84:25
close 17:18; 22:9; 109:8;
239:13
closer 74:10
clothes 138:21
clumsy 70:10
Cmax 160:18, 19, 20;
206:4
CMC 10:22; 16:15; 18:2;
59:21; 60:24; 87:3, 6, 11,
15, 22; 88:2, 8; 96:2;
102:7; 109:13; 239:17;
240:15
Co 5:15
co-chair 23:5; 29:5
co-chaired 110:20
co-chairs 23:20
co-crystal 182:9, 25
co-crystallization
183:15
co-crystallizes 182:18
coal 144:7, 7, 9, 10, 11, 15
coefficient 164:10
coffee 144:25
collaboration 37:20
collaborative 34:14;
38:7; 39:4
colleagues 53:18;
153:14
collect 70:24; 79:22;
217:10
collected 50:9; 127:20
collecting 234:16
College 5:3
color 38:9
com 169:10
combination 99:16;
129:14
combined 187:13
comfort 135:11
comfortable 135:10;
217:12; 233:7; 235:14
coming 84:11; 140:9;
208:4; 214:19, 25; 222:19;
232:15; 240:9
commending 19:14
comment 7:25; 73:23;
80:15; 83:23; 91:4; 98:22;
99:5; 119:15; 132:15;
133:6; 139:24; 181:6;
185:3; 187:24; 189:7;
209:25; 211:18; 215:6, 18;
236:22
commenting 213:18
comments 74:16; 78:17;

88:15, 25; 89:5, 9; 103:25;
106:20; 110:23, 24;
112:20, 22; 120:13, 20, 23,
24; 121:1, 13, 19; 142:21;
184:23; 187:18; 215:19;
236:5
comments—184:17
commercial 98:10;
101:15; 114:14; 124:21;
214:14
commercialized 174:12;
175:5; 197:17
commercially 136:15
committee 4:4, 13; 5:16,
20; 6:4, 12; 7:9; 8:8, 10,
19, 20, 23, 25; 9:3, 16, 22,
23; 10:1, 11, 16, 19; 11:3,
5, 8, 12, 23; 12:12, 15, 19,
23; 13:20; 15:3, 7, 9, 11,
14, 17; 16:1, 23; 17:24;
18:2, 6, 12, 25; 19:9, 14;
20:18, 21, 22; 21:7; 22:2,
18; 24:18; 29:4, 10, 16, 20,
22; 30:11, 16, 18, 25; 31:6,
23; 32:17, 22, 23; 33:1, 16;
34:9, 10, 22; 35:3, 8, 25;
36:17; 37:5, 11; 38:11, 19,
20; 40:9, 16; 41:10; 43:3;
51:11; 54:21; 55:20;
64:16; 88:9, 12; 110:21;
112:9; 117:9; 141:4;
142:4, 10; 143:6; 148:3;
152:25; 153:13; 162:4;
163:12; 168:22; 201:15;
208:6, 11, 22, 22; 236:23;
239:10, 25; 241:5
committee's 18:20;
56:14; 111:9
committees 12:8, 10;
30:12; 35:10
common 24:4; 40:19, 22;
51:16; 190:2; 194:5;
239:19
communicate 68:6
communication 32:15;
35:15; 68:9
communications 30:4;
35:11
community 39:10; 233:2;
238:12; 241:10, 12
compact 200:4, 8
compaction 113:18
compacts 200:3
companies 6:19; 60:8;
64:15, 18; 66:1; 67:21;
75:13, 17; 85:21, 22;
104:2, 5; 118:3; 123:1;
126:14; 187:7; 200:21, 21;
201:7
companies—instead
192:5
company 76:20; 78:7;
83:10; 89:15; 101:4;
106:4; 150:5; 168:2, 19;
191:11; 192:6, 7; 195:16;
226:14
comparable 205:11
compared 68:19; 116:8;

160:16, 17
comparing 160:11
compatibility 102:22, 23
compendia 168:17;
169:11
compendial 204:16, 21,
25; 205:3
compendium 129:25
compiled 87:20
complete 56:4; 85:11;
119:3; 178:24; 179:5
completely 65:18; 139:5;
217:21
completion 47:1; 51:19
complex 61:7; 68:15;
71:20, 21; 90:3, 4; 183:8,
21, 25; 220:23; 234:24
complexity 90:1, 6, 15;
91:20, 25; 94:16; 98:23;
99:2; 111:3
Compliance 18:16, 24;
47:14; 49:6; 55:10; 89:17;
110:13; 113:12; 120:9;
186:18
compliant 83:12
complicated 24:3, 17;
68:25; 70:3; 151:22;
173:20; 175:20; 214:10
complying 116:3;
118:13, 14, 14, 24; 127:23;
128:3, 4
component 182:25
components 36:18;
38:12; 43:9, 11, 12; 88:8;
98:24; 122:16, 18; 125:9
compound 65:13; 99:21;
154:5; 165:3; 189:15;
194:15; 198:2; 205:4
compound—you 181:22
compounding 41:13;
71:10
compounds 155:3;
188:6, 6; 227:3
compressible 86:9
compression 228:2
computer 52:13, 22;
63:23; 83:14; 226:12;
230:13
concentration 164:12;
204:7; 218:10
concept 17:13; 18:14;
34:14, 23; 48:9, 22; 58:11;
59:2, 4; 61:23; 62:23;
63:12; 68:2; 73:9; 75:25;
80:25; 81:12; 82:18, 25;
83:1; 86:18; 92:18; 94:22;
113:14; 125:4; 162:8;
163:10; 185:13; 233:1
conception 56:15; 63:21
concepts 56:22
conceptual 56:17; 57:11
concern 40:3; 80:24;
100:5; 123:10; 173:22, 25;
174:5, 11, 20, 25; 175:3;
197:18; 198:12; 214:12;
217:1; 219:25; 221:1;

230:6; 237:14
concerned 17:16; 31:14,
16, 19; 77:12; 108:25;
176:25; 177:1; 217:3
concerns 121:2; 216:25
conclude 68:11
conclusion 33:6; 98:18;
113:16; 207:15
conclusions 22:2; 25:4;
26:6; 34:24
concurrence 28:4
condition 50:13
conditions 49:11, 17, 24;
50:3; 69:12; 93:11;
104:14, 18, 19, 20, 21;
116:1; 160:25; 191:20;
203:10, 21; 205:18, 23;
222:1
conductive 84:12
conducted 49:14, 23;
50:9; 160:11
conduit 36:15; 40:5
confidence 44:13; 206:4;
212:20; 224:19; 231:9
confident 220:13
confines 121:16
confirm 48:10
confirmation 227:11
confirmed 49:12, 19, 21
conflict 5:25; 6:2, 7
conflicts 7:5, 7, 10, 16
conform 97:9
conformance 171:19
confused 177:11
confusing 235:21
connecting 202:17
connections 33:9
consecutive 119:10;
140:11
consensus 56:18; 62:5;
92:4; 93:12
consequence 206:10
conservative 41:15;
59:22; 60:5; 106:19, 24
conservativeness
59:23
consider 67:15; 97:24;
99:19; 106:23; 107:18;
161:25; 187:17; 193:7;
209:20
considerably 15:22
consideration 26:11, 20;
92:14; 93:14; 94:9, 24;
95:17; 96:21; 97:7, 20;
98:3, 14; 108:16; 111:9;
130:21; 146:19; 189:8
considerations 142:20;
153:8, 17, 24; 172:1;
176:11; 185:24; 200:14;
202:25; 203:12
considered 23:9; 42:15;
45:16; 75:9; 87:21; 89:3,
13; 90:3, 5, 11, 13; 93:2,
22, 23; 94:2; 99:12;
100:15; 103:12; 107:9;

171:17; 173:5; 182:19;
184:3; 187:21; 203:17;
204:23; 209:11; 222:6
consist 142:22; 154:24;
162:21
consistency 43:14
consistently 169:17, 23
consolidated 13:25
consolidation—
obviously 13:23
constant 14:14
constantly 44:8
constitute 29:1
constituted 39:16; 40:21
constitutes 29:2; 188:17
constructive 88:14;
238:25
consultant 7:6
consultants 208:20
consultation 89:11;
102:12
consulting 5:8
consumer 35:9; 39:11
contact 37:5
contain 102:24; 173:2;
188:5; 206:23
contained 30:4; 110:25
containing 22:1; 110:23
contains 183:20
contemporary 93:10;
97:5, 9; 101:25; 102:3;
104:6; 105:20; 106:10
content 51:13; 114:16;
115:17; 117:4; 126:15;
133:11; 136:11; 140:2, 16;
147:16
contest 187:19
continue 14:12; 17:4;
58:6; 66:22; 77:19; 104:4,
8; 138:16; 144:4; 169:1;
240:25
continued 35:14; 42:8;
121:6
continues 158:11;
163:20
continuing 19:7; 48:14
continuity 237:13
continuous 44:21;
46:13; 57:24; 58:2; 76:18,
21; 85:24
continuously 51:3;
72:16; 85:14
continuum 126:5
contracted 190:8
contracts 54:3
contradict 121:8
contributed 8:25; 11:1
contribution 19:17, 17
control 41:23; 44:18;
46:4, 21; 47:8; 52:4, 9;
54:6; 57:18; 60:25; 71:19;
72:21; 74:10; 82:5, 8;
84:22; 93:9; 106:3, 7, 16,
17; 109:16; 111:2; 123:9;

125:21, 23; 132:12; 152:7;
210:18; 216:25; 219:23;
220:5
controllable 111:5
controlled 97:16, 18, 25;
105:20, 21; 106:21;
161:23
controlling 46:6; 64:21
controls 86:7; 105:25;
106:11, 13, 14; 133:17, 18;
139:18; 175:13; 219:12
conventional 43:22, 23;
44:10; 45:12, 14, 22; 47:24
conversion 176:4;
188:14, 22, 25; 216:5;
228:13; 233:14, 18; 234:6;
235:8, 18, 24
conversion—we 216:1
conversions 196:5
conversions—we 220:10
convert 171:1; 174:23;
210:15; 216:2; 229:8
converted 170:9, 22
converting 170:18
convince 169:15, 22;
232:3
convinced 207:25;
218:24; 219:3
cooperative 21:4
coordinate 34:10, 13;
39:3
coordinated 38:2, 6
coordinating 29:10, 16;
30:17, 25; 31:6; 32:17;
33:1, 16; 34:9; 88:9
coordinators 56:5
copies 22:21
copy 6:24; 56:20
corrections 85:20
correctly 42:23
correlate 47:12; 213:19,
21
correlated 24:7; 196:8
correlates 23:24;
165:16; 213:9
correlating 196:10
correlation—a 46:9
correspondence 182:16
corresponding 43:22
cost 75:3, 6; 78:10, 14;
81:7; 83:9; 84:22; 85:1;
86:5; 190:7
costs 86:6, 6
couched 187:18
Counsel 148:17
countries 5:19
country 8:12; 101:17;
170:21
couple 23:8; 53:22;
74:15; 84:16; 98:9;
100:18; 102:20; 141:1;
148:4; 185:6; 196:6;
197:19; 210:5
course 22:11; 24:17;

26:7, 14; 28:18; 31:19;
39:22; 45:22; 48:10; 51:2;
13; 69:15; 77:8; 134:2;
193:24; 196:11; 206:9;
court 151:12; 234:11
covalent 183:23, 24
cover 19:6; 121:18, 18;
181:7; 236:13
covered 97:3; 206:14
covers 39:12; 126:10
create 82:2; 217:24
criteria 49:3; 50:12, 18;
81:9; 87:19; 88:20, 24;
89:1, 22; 90:25; 92:4, 7;
95:3; 100:2; 103:22;
107:23; 109:1; 118:9;
123:20; 125:1; 152:4, 11;
162:18; 163:6; 166:1, 3,
11, 13, 16, 17; 167:1, 8,
16, 16; 168:10; 171:20, 21,
25; 172:2, 9, 20; 173:11,
23; 174:2; 175:15, 16, 17;
178:8; 179:14, 16; 180:8,
10, 16, 16; 188:15; 203:11;
204:2, 8, 11, 14, 20, 22,
25; 206:2, 11, 16; 211:20;
212:2, 3, 5, 8, 22; 219:4;
223:25
critical 44:16; 46:2, 5, 22;
52:4; 57:18; 60:16, 25;
62:3; 65:18; 67:2; 78:19;
82:8; 109:15; 122:16, 18;
127:7, 21, 22; 132:3;
135:5, 18; 136:8; 146:18;
171:17; 225:21
criticism 121:9
criticize 59:21
cross 163:21
cross-cutting 31:1
crystal 33:9; 142:3, 7, 16;
144:2; 154:8, 11, 14, 23;
155:20; 156:10, 10, 19;
158:4; 174:15, 21, 24;
181:20; 183:20; 184:8, 13;
189:23; 194:17; 220:10;
224:7, 14
crystalline 144:19, 22;
145:1, 2, 3, 13; 146:4;
147:12; 154:4, 7, 13, 19;
155:16; 181:9, 13, 17;
194:15, 22, 23; 205:2;
223:14, 21; 224:2, 4;
229:22
crystallization 64:21, 21;
191:19; 229:18
crystallographic 156:14
crystallography 155:25;
156:7
crystals 155:13
cumbersome 70:10;
232:25
city 65:24
curious 234:10
current 7:24; 11:6; 36:25;
44:8; 49:9; 51:21; 60:7;
64:3; 76:3; 91:5; 122:2, 5;

126:7; 128:24; 129:18, 24;
130:12, 20; 135:11; 171:4;
236:2; 240:21
Currently 12:10; 13:16;
14:20; 16:2; 81:24
curriculum 54:1
curve 137:16; 160:22
curves 137:13, 20; 138:1;
200:2
customer 191:21
cut-off 107:2
cutting 192:18; 194:3;
195:2
CV 140:13
cycle 47:22; 48:12

D

D 164:10
data 25:20, 22, 24; 26:9;
31:5; 32:6, 7; 34:15, 18,
24; 36:6; 45:7; 47:4; 50:8,
9; 52:8; 59:7; 60:2, 68:10;
79:22, 23; 80:2; 83:6, 13,
15; 100:20; 101:1, 3, 5, 14;
103:18; 107:22; 108:21;
113:25; 115:10, 13; 124:9;
148:14; 152:6; 171:23;
172:8; 176:3; 180:5, 6, 7,
18, 20; 188:6; 214:21;
217:10; 220:19; 231:18,
21; 233:10; 235:8, 12
data-mining 37:11
database 234:22; 238:22
date 16:12
Dave 199:20
David 191:5
day 17:20; 85:15; 239:13;
241:2
days 16:5; 19:5; 85:8, 15;
86:18; 193:1
db 121:10
DC 228:2
deal 22:10; 45:9; 50:24;
52:13; 68:15; 106:1;
194:17, 18; 226:23; 237:9
dealing 69:18; 120:14
debate 19:3
debated 10:10
December 53:25; 55:17
decide 102:17
decided 29:24; 38:22
deciding 185:8
decision 10:2; 12:1;
17:16; 34:12; 35:17;
44:15; 65:19; 77:18;
91:16; 92:10; 100:22, 23;
101:11; 104:13; 114:2;
116:18; 161:19, 21, 24;
162:1, 3, 5, 9, 11, 17;
165:22, 23, 25; 166:2, 6, 6,
8, 9, 9, 14, 21; 167:9, 23;
169:14, 20; 171:12;
172:16, 17; 173:16, 19;
179:9; 185:4, 21, 22, 23;

186:6, 7; 187:14, 25;
192:3; 197:15; 208:18;
209:9, 18, 21; 210:7;
211:2, 23; 212:1, 10;
219:9, 19, 21; 221:6;
223:2, 6; 225:8, 11, 22;
230:5, 17, 20; 232:11, 18,
23; 233:9; 234:4, 17
decision-making 67:20;
68:10; 232:13
decisions 11:2; 14:2;
15:4; 19:20; 20:1; 31:25;
57:19; 60:2, 3; 61:14;
103:20; 168:9, 13; 169:8;
186:15, 16; 231:19;
240:11
dedicated 77:25
defects 89:22
define 24:15; 46:15; 82:6;
87:19; 88:21, 23; 99:1;
104:15; 120:7; 221:7, 12
defined 49:4; 50:12;
154:8, 16; 203:23; 222:3
defines 226:10
defining 51:12; 120:8
definite 78:13
definitely 64:12; 80:23;
130:9; 132:1, 23; 158:25;
211:22
definition 46:19; 98:23;
100:25; 101:9, 25; 146:1,
12, 12, 14; 154:14, 22;
155:12, 15, 18, 19; 187:19;
194:18; 203:15; 204:10;
205:12, 24; 206:18
definitions 203:10
definitive 156:11
DeGeorge 27:25
degradants 97:15, 18
degradation 97:2, 13,
14, 17; 100:3
degraded 158:16
degree 55:24; 59:9;
188:3
degrees 124:23; 158:8,
14
delete 236:18
deleted 175:8; 236:16
deliberated 117:10
deliberations 19:22
delineated 83:21
delivery 14:10
DeLuca 112:17
demonstrate 52:1;
152:1; 176:17; 220:4
demonstrated 51:23;
137:15; 196:18; 198:10
demonstrates 224:19
demonstration 176:22
Dennis 54:22
density 69:20
deny 70:2; 147:10
department 113:10
depend 232:21
dependent 117:20

depending 28:21; 32:1;
40:21; 82:24; 139:10;
145:8
depends 90:5, 9; 183:22;
197:1
depth 13:15; 72:13
deputy 4:11
derived 32:8; 60:2
describe 91:4
described 88:1; 139:14;
146:2
design 48:6, 22; 57:25;
60:1, 20, 22; 62:19; 63:7;
122:14
designed 56:24; 59:13;
161:5
designs 10:11
desk 76:23
despite 230:13
detail 166:20; 195:18
detailed 147:25; 185:19;
197:21
details 38:24; 39:1; 91:21
detect 100:3; 176:4;
213:3, 7; 216:9; 220:14;
233:13; 234:1, 8, 12
detecting 89:22; 90:15;
94:15; 196:5
detection 63:8, 11, 17;
89:23, 25; 91:19, 24;
193:25; 195:23; 200:6
determination 188:12;
218:18, 21
determine 60:21; 109:15;
188:20; 190:4, 5; 193:19;
195:10; 218:16; 219:12
determines 163:25;
221:15
determining 10:7; 129:8;
164:14, 15
develop 24:11; 42:17;
45:14; 48:8; 52:19; 56:16;
57:24; 67:21; 186:21;
218:12; 233:25; 240:22
developed 5:19; 25:10;
49:21; 50:6; 54:1; 64:4;
91:16, 18; 140:3; 147:2;
161:19; 164:22; 165:23
Developing 14:8, 11;
54:2; 98:20; 191:1; 220:18
development 9:10, 11;
20:22, 24; 21:3; 24:3;
25:21; 26:2; 31:3; 37:25;
42:9; 46:1; 49:12, 18; 50:8;
54:13; 55:18; 59:18, 18;
60:9; 82:14; 135:18;
161:24; 186:19; 199:10;
200:24; 227:8; 228:25
deviation 32:12; 63:9;
115:16; 118:10, 11, 18;
132:5
deviations 110:15;
131:18; 137:23
Devices 64:5
devised 137:12
diagram 89:21

dialogue 34:19, 21;
35:14; 73:18
diamond 144:10, 15;
219:10
diamonds 144:6, 7
dichotomy 118:23;
121:23, 25
difference 109:4; 137:25;
154:6; 159:23; 180:14;
183:7; 205:14, 22, 24;
213:11, 16; 234:1
differences 69:20;
96:17; 125:25; 190:20;
191:13; 213:3; 218:9, 16;
227:7, 8
different 21:9; 48:15;
55:7; 59:20; 61:23; 66:6;
67:16; 78:2; 81:3, 10;
103:3; 113:16; 115:11, 25;
122:13; 127:14, 15, 20, 25;
128:2; 136:17; 139:5;
143:23; 144:2, 3, 3, 8, 15;
145:15; 146:10, 15, 16;
154:12; 157:7, 9; 159:21;
161:3, 4; 166:23; 167:19;
168:3, 4, 14; 169:20;
170:21; 172:5; 173:12;
178:3; 183:10, 14, 15;
189:15, 22; 190:12;
191:12; 193:5; 195:24;
200:16; 206:22; 207:1, 7,
12; 208:6; 210:24; 213:10,
23; 214:23; 215:13; 217:1,
11, 21; 218:7; 219:14, 15;
220:7; 222:22; 226:17;
227:4; 228:15; 229:10, 18,
19
differential 193:21
differentiate 154:3;
156:9, 16; 181:17
differently 74:17
difficult 53:5; 59:24;
68:17; 107:15; 171:5, 7;
174:6; 192:17; 193:13, 18;
194:3, 12; 195:1, 7; 214:3;
234:3; 240:16
difficulties 25:14
difficulty 143:12; 192:15;
202:21
diffraction 156:1, 20;
172:6; 190:7; 192:25;
193:3; 199:15, 25; 200:4
diffraction-I 194:9
diffusion 164:10
digoxin 140:3
dihydrate 160:2, 5, 7, 12,
17, 18
diligent 162:25; 167:24;
171:6
dimension 44:2; 231:5
dimensions 69:24
direct 32:18; 37:5; 50:3;
71:11; 72:13; 228:2
directed 146:7
direction 17:15; 69:16;
71:25; 75:18, 21; 115:8;
130:10; 139:21; 216:18

directly 34:2, 20; 38:24;
61:11; 68:23; 178:24;
194:20; 213:10
director 4:9, 12; 5:15, 22;
8:4; 27:10; 28:3, 12, 13,
19, 23; 30:5; 142:12
disagree 234:9
disappearing 170:3;
191:5, 7
discard 44:25
discipline-specific 12:3
disconnecting 202:2
discover 170:13, 14, 15,
17; 230:15
discovered 170:9, 21;
171:2, 6; 174:15; 226:22
discriminating 137:19;
138:1; 176:1; 235:19
discuss 16:7; 17:17;
18:12; 27:19; 30:2, 6;
39:21; 52:21; 153:16;
161:18; 170:2; 193:10;
202:24; 238:6; 241:1
discussed 6:13; 9:25;
10:5; 35:2; 50:18; 82:15,
17; 91:19; 107:10; 112:12;
117:10; 141:5; 163:11;
176:8; 183:19; 184:5;
185:10; 200:21; 237:18;
240:25
discussing 30:1; 64:24;
229:20
discussion 6:22; 7:9;
11:10, 19; 17:8; 18:8, 22;
19:6; 27:12, 21; 29:6; 33:4;
40:24; 50:25; 62:14;
64:19; 84:6, 18; 87:2;
111:22; 112:10; 114:10;
116:15; 166:22; 176:18;
183:17; 185:12; 187:6;
190:15; 196:23; 197:10;
207:3; 208:11, 25; 209:7;
238:1; 239:18, 20; 240:1;
241:14
discussions 7:17; 10:14;
11:1, 6; 61:16; 88:7; 238:7
disintegrant 126:1
disintegrate 163:15
disintegration 163:16,
20
disordered 154:17
dispensing 25:15
dispersion 182:10
dissolution 125:6, 12,
15; 126:2; 156:3; 157:2;
160:3, 4, 6; 164:1, 4, 7, 11,
13, 15; 165:16, 19; 175:12,
21; 196:4, 7, 12, 14, 20,
25; 197:8; 210:14; 211:12;
212:19, 20, 21, 22, 24;
213:3, 6, 9, 14, 18, 24;
215:4, 9, 21; 216:15, 19,
22; 217:5, 9, 12, 14, 18;
218:1, 2, 9, 19, 22, 25;
219:4, 11, 16, 24; 220:5,
14, 20, 24; 221:3; 223:1, 4;
233:12, 13, 16, 19, 25;

234:22, 23; 235:2, 4, 9, 18,
23; 239:22
dissolve 144:24; 145:5
dissolved 12:13, 23;
163:17, 21
distant 83:9
distinct 49:8; 194:19;
215:20; 220:1
distinguish 184:13;
215:15
Distinguished 153:12,
15
distinguishing 52:2
distributed 115:15
distribution 125:25;
130:16; 133:9, 10
districts 55:8, 9
diverse 40:18
diversity 237:2, 2
division 28:20; 30:5;
148:15
divisions 28:18; 36:19
DMFs 191:21
document 61:24; 110:25;
112:7, 17; 122:3; 195:16;
239:3
documentation 112:3;
129:15
documented 134:13
documenting 112:1;
134:12
documents 50:19; 51:18
dollars 83:11
done 64:2; 65:17; 68:12;
72:2, 3; 73:5; 74:8; 78:1;
79:2; 84:8; 91:11; 93:19;
94:12; 95:21; 96:8, 25;
124:12, 25; 127:7; 192:24;
199:20; 214:4, 6; 217:20;
230:9, 10; 231:3; 236:5
door 150:13
dosage 50:5, 10; 61:9;
68:14; 90:4, 8; 94:13, 21;
111:4; 112:6; 163:13, 17;
165:12; 188:10; 214:4;
218:13, 17; 219:5; 220:23;
225:5
dose 199:16; 204:5;
205:19
doses 79:6; 107:10, 12;
205:16
doubts 212:24
Doug 54:21
DOULL 4:15, 15; 20:12,
17; 22:19, 21; 23:18; 31:7,
15; 34:16; 39:19, 21;
108:11, 25
down 13:25; 14:22;
70:22; 71:4; 86:10;
199:13; 200:5; 215:21, 24;
219:10; 230:1, 19; 232:2,
6, 15, 20; 233:23; 234:4;
235:7; 237:22
down-l 185:25
downside 200:17

DP 163:3
DPK 9:25; 10:2
DR 4:3, 11, 13, 15, 17, 20,
25; 5:2, 5, 7, 9, 11, 14, 17,
21, 24; 7:12, 12; 8:2, 8, 14;
15:19, 22; 16:10, 16, 22;
19:13; 20:8, 12, 17; 22:13,
16, 19, 19, 21; 23:3, 18;
27:5, 9, 25; 28:2; 29:5, 24;
30:4; 31:7, 15; 33:3, 6, 7;
34:16; 39:14, 18, 19, 19,
21; 40:10; 41:4; 53:1, 4, 6;
59:2; 65:1, 4; 67:16; 68:23;
69:4, 17; 70:2, 15; 71:5, 6;
73:20, 22; 74:14, 15;
75:10; 77:1, 14; 78:5, 16,
17; 80:1, 5; 82:1, 9, 10;
83:22; 84:16; 86:15; 87:1,
3, 7, 10; 91:4, 7; 98:21, 22;
99:4, 7, 20; 100:1, 6, 8, 9,
10, 11, 13, 16, 17, 18, 23,
25; 101:2, 7, 12, 15, 16,
24; 102:2, 6, 11, 14, 15,
18, 19, 20; 103:4, 7, 9, 10,
21; 104:10, 11, 12, 19, 22,
24; 105:1, 8, 10, 11, 18,
23, 24; 106:9, 12, 18, 25;
107:2, 6, 13, 15, 25; 108:5,
10, 11, 19, 25; 109:3, 7,
10; 110:1, 3, 4, 5, 7, 8, 13,
17, 18, 19, 24; 111:10, 12,
14, 16, 21; 112:16; 113:6,
10; 117:8; 126:18, 20;
127:2, 10, 11, 17; 128:6, 8,
10, 12, 13, 14, 18, 22;
129:4, 5, 6, 11; 130:2, 8,
23; 131:1, 5, 9, 10, 12;
132:15, 16; 133:5, 6, 20;
134:10, 18; 135:1, 4;
137:7, 9, 11; 138:18, 19;
139:22, 24, 25; 140:1, 20;
142:2, 9, 9, 24; 152:13, 14,
16, 18, 19, 22, 23, 24;
153:1, 2, 10; 165:14;
168:20, 21, 22, 23; 169:1,
2, 3; 176:14, 16; 177:3, 4,
7, 8, 10, 11, 21; 178:9, 12,
13, 16, 21; 179:3, 4, 9;
180:1, 9, 11, 13, 25; 181:2,
4, 5, 14, 25; 182:6, 8, 12,
14, 21, 23; 183:2, 5, 6, 7,
10, 12, 18, 20; 184:4, 10,
11, 18, 20, 21, 22, 24;
201:14, 18, 19, 21, 22, 23,
25; 202:1, 3, 4, 6, 8, 9, 10,
12, 14; 203:7, 9; 207:22,
23; 208:1, 2, 3, 8, 9, 12, 13,
14, 15, 16; 209:1, 4, 6, 8,
14, 17; 210:5, 8, 9, 19;
211:6, 7, 18, 19, 20;
212:13; 213:1, 2, 8, 20;
214:7; 215:3, 6, 18;
216:12, 17; 218:6, 24;
219:1, 3, 8, 9, 18; 220:17;
221:6, 11; 222:2, 5, 8, 11,
13, 14; 223:5, 8, 19; 224:1,
7, 11, 13, 21, 23; 225:6, 9,
11, 19; 226:5, 9, 13, 25;
228:4, 11, 22; 229:7, 13,
15; 230:3, 12, 22; 231:10,
13, 25; 232:2, 8; 233:6, 8,

20; 234:9, 15, 19; 235:13,
22; 236:1, 3, 11, 12, 13,
16, 20; 239:12; 241:3
draft 9:15; 10:2; 22:7;
24:24; 25:2, 8; 26:25;
29:25; 88:22; 89:4; 91:3;
102:2; 103:21; 120:8, 11,
12; 121:17; 122:6, 8, 10;
123:16; 126:23, 24; 127:1
drafted 18:14, 15; 27:13;
165:14
drafting 147:24
drag 84:18
dramatically 189:22
dream 80:13
driving 222:17; 228:22
drops 194:25
Drug 4:23; 6:19; 10:15;
11:12; 21:2, 6; 26:23;
28:15; 31:3; 37:25; 47:16;
55:11; 74:19; 88:21; 89:2,
10; 90:1, 1, 24; 91:1, 15,
15, 22, 23; 92:2, 3, 5, 10,
10, 12, 18, 20, 23; 93:1, 5,
8, 9, 10, 13, 15, 21, 23, 25;
94:1, 2, 5, 5, 7, 18, 21, 23;
95:16, 19, 22, 25; 96:3, 9,
10, 13, 15, 17, 20; 97:4, 6,
16, 19; 98:2, 13; 101:5;
102:21; 103:25; 104:13,
14; 105:12, 14, 17, 19;
106:17, 22; 107:13;
108:14, 17; 109:22;
122:18; 125:7; 135:16;
145:20, 21; 146:24;
147:14, 15; 148:6, 25;
149:12; 152:4; 154:24;
155:6, 13, 24; 156:8, 17;
159:9, 20, 23; 161:22;
162:6, 7, 10, 18, 19, 19,
21, 23; 163:2, 2, 3, 4, 6, 7,
7, 18, 21; 164:17; 165:24;
166:3, 4, 11, 13, 16, 17;
167:1, 2, 8, 8; 168:2, 6, 8,
11; 169:5, 7; 171:15;
172:9, 10; 173:20, 23;
174:2, 14, 22; 175:12, 17;
178:1; 179:14, 14, 16, 17;
193:17; 194:13, 23; 196:3;
199:15; 200:9, 203:16;
204:21; 205:14, 16; 207:5,
6, 10, 11; 209:23; 210:2;
219:11, 22; 223:25, 25;
224:17; 228:7; 231:17, 18;
233:21, 21, 22; 234:5;
236:7
Drugs 5:23; 10:4; 17:11;
20:24; 27:23, 24; 28:3, 10,
13, 14; 30:12; 31:11; 32:5;
53:17; 55:3, 4, 12; 87:20;
89:13, 20; 99:17; 102:16,
17; 104:2, 9; 107:18, 20,
24; 108:2, 3; 109:24, 25;
113:13; 142:12, 13; 146:8;
147:5; 148:17; 150:7;
151:18, 23; 153:23;
159:21; 160:23; 164:24;
171:14; 176:10; 183:25;
207:15; 220:23; 233:24;

234:2
drying 191:19
DS 163:2
DSC 156:2; 189:14
DSC/thermoanalysis
172:6
due 69:15; 148:8, 22;
167:24; 171:5; 215:13, 14
dug 73:8
during 20:24; 21:7, 21;
46:22; 47:3; 49:11, 12, 18,
19, 24; 50:10; 108:20;
112:6; 116:22; 118:2, 5;
121:6; 127:24; 128:8, 10,
17; 131:16, 20; 132:6;
138:13; 150:4, 9; 153:20;
161:23; 193:22; 196:12,
20; 201:3; 210:15; 212:5;
228:13; 233:14, 19
dying 193:11
dynamic 47:15
dynamics 69:6

E

earlier 190:16; 196:4, 23;
207:3; 229:17; 237:7
early 86:18; 88:23;
125:13; 192:9; 198:20;
199:9; 200:19; 201:4
easier 60:21; 144:17, 18;
146:22
easily 78:1; 124:24;
132:5; 197:24; 198:9
easy 99:9, 22; 226:3;
230:4
economical 78:24; 79:5,
20
edge 192:18; 194:4;
195:2
effect 9:12; 98:25;
106:14; 159:19; 160:14;
164:4; 178:2, 5; 196:16;
203:20; 204:12, 15; 205:9
effective 25:21; 65:7;
190:7
effectively 186:12
effects 20:24; 24:5, 6;
74:24
efficacy 203:24
efficiency 58:17; 78:10;
123:4; 124:5
efficient 85:23, 23
effort 21:4; 34:15; 56:24;
70:13; 98:20; 136:2; 175:7
effort-FDA 115:11
efforts 34:17; 42:15, 16,
25; 56:9, 24; 137:3; 191:8
EFPIA 56:20
Efraim 5:11; 7:12; 78:16;
80:16
either 72:13; 80:22;
135:14; 150:1; 170:22;
182:9; 189:19; 205:18;
206:15; 222:8

either/or 100:17
 elaborate 124:4; 203:8
 electronic 52:14; 64:13,
 14
 element 190:21
 element 35:6; 99:11
 elements 57:10; 100:14,
 14
 Eli 5:15; 149:5, 9; 150:11
 eligible 89:15
 eliminate 87:24
 Ellsworth 54:22
 else 68:7; 86:20; 180:25;
 214:19; 215:14; 216:15;
 219:17; 236:5, 12
 elucidate 65:18
 elucidation 66:2
 emerging 51:22
 emeritus 4:17
 emperor's 138:21
 emphasize 9:2; 169:19,
 19; 174:8; 241:11
 emphasizes 169:15
 empiricism 227:22
 employed 42:19; 185:9
 employees 6:15, 21
 emptying 163:18; 164:1,
 5
 encompasses 198:13;
 227:23
 entered 151:17
 encourage 20:22; 41:21;
 51:5; 65:11; 203:7
 encourages 186:13
 encouraging 26:17
 end 40:19; 44:24; 52:18;
 65:14; 85:24; 86:12;
 100:19; 114:18; 131:24;
 136:9; 138:12; 140:15;
 189:20; 199:7; 212:15;
 216:21; 238:9
 end-product 43:23;
 46:25; 72:22; 121:10;
 134:16; 135:14; 136:1, 2, 7
 end-stage 71:24; 138:20;
 139:10, 11
 ended 8:22; 72:11
 ending 239:20
 endorsement 112:12
 endpoint 71:22
 endpoints 57:19, 19
 energetic 227:18
 energy 40:24; 197:7;
 213:13; 215:25
 engineer 55:24
 engineering 41:14; 52:9;
 54:6, 9; 55:23; 66:11, 11;
 113:18; 114:13
 engineers 54:14; 79:4
 enhance 63:11
 enhances 58:16
 enhancing 63:16
 enough 81:11; 196:15;

213:12, 15; 215:11; 217:6;
 231:22
 ensue 150:3
 ensure 14:21; 35:11;
 40:4; 133:2
 ensuring 49:6; 185:14
 entertain 33:7; 201:12
 enthusiastic 39:25
 entire 67:10; 70:20;
 76:22; 123:8; 132:22, 24;
 234:25
 entirely 147:13
 entities 184:19
 entity 101:8, 10, 20;
 182:11, 20, 21; 183:9, 13,
 13, 24
 entrance 153:4
 envision 35:21
 envisioned 39:8
 EON 7:13
 equal 118:18, 21; 119:11;
 145:4; 178:19
 equally 112:2
 equals 118:20
 equations 164:9
 equipment 79:14, 20;
 85:13; 139:2
 equivalence 171:17, 18;
 203:1; 206:18, 21
 equivalency 179:23
 equivalent 43:21;
 169:18, 24; 172:13;
 204:23; 205:5; 232:5
 equivalents 203:11, 16,
 18, 19, 24; 204:3, 11;
 206:17; 207:19
 error 60:3
 escape 66:1
 especially 14:4; 15:19;
 120:13; 121:7; 220:18
 essence 32:18
 essential 48:2
 essentially 33:12; 37:2;
 48:24; 55:13, 19; 56:3, 8,
 21; 62:10; 80:12; 112:5,
 15, 21; 115:3; 117:14, 19;
 127:19; 129:13; 133:2;
 182:9; 215:18; 228:6;
 235:1, 2
 establish 35:19; 39:6;
 46:13; 48:9; 56:18; 77:10;
 82:4; 88:20; 198:19; 215:4
 established 20:21;
 60:16; 94:4; 171:19;
 173:23; 188:21; 198:18;
 217:13
 establishing 9:18; 25:14;
 44:12; 49:4; 68:3; 199:1;
 210:1
 establishment 187:7
 estimate 116:7
 estimated 118:11
 estimating 116:7; 189:2
 etc 14:10
 Europe 59:20; 101:19

European 56:21; 82:25;
 121:7
 evaluate 24:11; 51:20;
 103:14; 171:9; 172:21;
 173:6; 220:8
 evaluating 15:3; 161:21;
 166:10
 evaluation 14:24; 23:10;
 28:15; 32:7; 89:12; 102:9;
 109:5, 6, 12, 22, 23;
 121:20; 171:17
 even 6:9; 19:8; 56:18;
 58:10; 68:25; 70:6; 78:13;
 79:1, 7; 84:24; 86:12, 13;
 99:13; 102:9; 103:2;
 105:5; 106:13; 108:17;
 109:13; 135:23; 138:15;
 170:17; 171:2, 5, 24;
 172:8; 173:4, 11, 12;
 180:7; 186:25; 189:19;
 191:21, 22; 194:22; 197:4;
 200:7; 211:16; 216:16;
 218:15; 227:18; 228:3, 13;
 231:2; 232:25
 evening 241:15
 event 7:17
 eventually 12:22; 21:11;
 22:12; 69:7; 75:15; 151:6
 everybody 59:8; 75:19,
 21; 91:7; 233:6; 237:25;
 239:11
 everyone 4:5; 8:7;
 144:14
 evolution 22:14; 65:12;
 71:7; 139:7
 evolutionary 58:3, 11;
 71:23
 evolve 57:8
 evolved 56:8; 70:5;
 138:25
 evolves 58:2
 evolving 70:9; 74:12;
 83:17; 237:6, 20
 exactly 135:5; 224:21
 examine 152:5; 180:3
 example 33:24; 36:3;
 57:2; 64:20; 72:7; 78:8;
 84:1; 104:5; 114:9, 12, 21;
 117:13; 125:9, 19; 130:10;
 137:19; 138:9; 144:6;
 145:10; 156:19; 157:12;
 161:10, 13; 189:17;
 194:10; 199:24; 207:11;
 213:22; 222:6; 223:12;
 233:24; 239:22
 examples 47:16; 72:24;
 113:24; 114:6; 117:5;
 124:21; 170:2; 190:21;
 199:14; 228:13; 233:17;
 234:13
 excellent 15:15, 20;
 40:15; 123:22; 125:19;
 177:21; 222:11
 except 121:4
 exception 103:18
 exceptional 15:17
 exceptions 174:10;

229:19; 231:12
 excipient 47:17; 78:22;
 82:1; 86:1; 95:23; 102:21,
 22, 24; 103:3; 108:12, 15,
 18; 181:9, 12; 190:15;
 214:23
 excipients 74:5; 78:18,
 25; 80:17, 19, 21; 86:8, 9;
 95:25; 102:25; 103:5;
 108:13, 19, 21, 23; 122:19;
 126:3; 216:14, 23; 218:4;
 233:22
 excited 64:17, 23
 exciting 41:10; 42:1, 12;
 51:10
 exclude 160:13
 exclusion 7:21
 exclusions 92:17, 22, 23
 exclusivity 148:8, 22;
 150:17
 executive 5:14
 exemption 50:23; 76:2
 exercise 25:20
 exhibit 144:12; 146:16
 exhibits 152:2
 exist 162:23; 170:25;
 171:21; 188:7
 existed 58:9
 existence 156:18
 existing 35:1; 47:11;
 48:17, 19; 121:16; 156:11
 exists 174:17, 17, 21;
 220:11
 expand 90:19
 expect 37:21; 65:25;
 79:11; 128:18; 192:18;
 195:21; 227:24
 expectations 187:8
 expected 30:16; 195:24;
 203:19, 24; 204:15; 205:8
 expensive 79:15
 experience 40:15, 17;
 55:25; 70:11; 90:17;
 107:18; 123:24; 168:18;
 169:12; 187:2; 199:2;
 210:3; 237:1
 experiment 127:19;
 160:3; 193:23
 experimental 60:22;
 124:22; 205:18, 22
 experimentally 226:11
 experiments 57:25;
 60:3; 76:19
 expert 23:1; 30:13, 23;
 39:6; 142:21; 184:23;
 214:2
 expertise 36:4; 56:2;
 70:11
 expire 148:8, 22
 explain 38:18; 59:7; 62:2;
 102:3; 103:22; 122:1;
 143:15, 17; 167:18; 173:1;
 174:5, 7; 177:14
 explained 91:9; 143:13;
 151:19

explanation 143:20
 exploration 201:2
 expose 40:18; 157:21
 exposure 227:24
 expressed 121:2; 164:9
 expressing 140:22
 extensive 53:23; 55:16;
 60:9; 67:22; 109:21;
 111:7, 22; 112:10
 extensively 26:1
 extent 66:4; 153:23;
 163:25; 176:11; 201:11;
 205:13, 15; 206:8; 227:2,
 10, 23
 external 30:13; 34:13;
 37:19; 38:7; 39:4; 154:6
 extra 180:21
 extraordinary 175:6;
 236:14
 extremely 9:21; 56:15;
 72:8; 79:15; 83:7; 220:3,
 12
 eye 104:16

F

face 143:25; 187:1;
 196:14; 197:19; 231:16,
 24
 faced 186:23
 facilitate 25:23; 30:18;
 45:6; 63:25
 facilitates 187:2
 facilitating 56:10
 facing 124:19
 fact 19:15; 22:2; 42:23;
 62:21; 69:4; 70:21; 76:12;
 78:24; 135:23; 150:15;
 157:20; 186:11; 187:20;
 189:9; 190:17; 194:5, 7;
 196:11; 206:2; 210:20;
 212:18; 217:25; 230:13;
 238:4
 factor 44:16; 164:14, 15;
 217:24
 factors 109:14, 14;
 110:16; 164:3, 16
 fail 134:2; 218:19
 failing 117:4; 137:1
 fails 204:22; 206:15
 failure 45:19; 91:24;
 94:15; 133:3
 failures 125:12; 133:14
 fair 25:16; 188:5; 218:11;
 237:4
 fairly 18:22; 24:17; 80:18;
 143:19; 148:6; 151:20;
 186:22; 197:10; 198:20;
 214:4
 fairness 7:23
 fall 23:17; 107:5, 14;
 182:4; 230:1
 fallout 46:12
 falls 197:10; 199:17

familiar 159:25
Famulare 54:23; 113:7, 11
fan 218:21
far 4:6; 17:15; 18:5; 23:15; 53:3, 13; 66:16; 68:14, 17; 70:6; 79:6; 87:1; 124:20; 137:2; 194:21; 229:23; 234:17
fascinated 41:11
fashion 68:20; 124:7; 131:3; 197:22
fashions 59:6
fast 235:17
FDA 7:6, 19; 15:25; 41:21; 43:17; 50:16, 20; 51:5, 15; 52:20; 53:12; 55:1; 56:11; 59:25; 60:11; 89:14; 102:4; 110:22; 112:18; 113:2, 5; 120:5, 13; 126:24; 146:3; 147:10; 149:13, 13; 150:12, 22, 24; 151:14; 153:13, 14; 163:12; 168:4; 169:4, 16; 172:8; 173:5; 187:4, 16; 202:17; 203:15; 204:14; 205:12; 206:1; 209:3, 20; 232:14
FDA's 59:9; 149:2; 209:11
FDA-wide 57:3
fear 73:2
feasible 136:15
February 42:3
federal 6:15
feed 219:6
feed-out 111:8
feedback 10:12; 30:17, 24; 33:21, 23; 37:9
feel 18:18, 25; 36:21; 40:8; 63:19; 135:10; 139:12; 178:7; 208:16
feeling 35:11
feelings 39:19
feels 208:22
felt 8:21; 21:3, 13, 14; 81:20; 111:2, 6; 113:19; 117:21; 138:5
few 16:5; 58:25; 61:18; 73:21; 75:2, 17; 86:21; 96:24; 97:3; 104:12; 120:19; 133:9; 150:20; 155:25; 157:21, 21; 239:12; 240:11
field 69:1; 108:3; 155:11; 187:6; 214:2
fielder 134:8
fields 66:15
fifteen 70:6
fifty-year 240:13
figure 24:14; 25:16; 137:1; 143:18
figuring 240:12
file 101:14
filed 101:8; 147:7

filling 25:23; 26:10
final 15:4; 34:18, 24; 43:11; 89:20; 120:17; 126:25; 127:3, 5, 6, 8; 191:19; 197:3; 218:17; 223:2; 224:16; 225:4
finalize 12:22; 88:25; 89:10, 12; 103:24
finalized 104:4
finalizing 91:3
finally 17:18; 24:15; 47:6; 156:4; 157:3; 165:5; 187:5; 195:2
financial 6:16; 7:19, 24
find 20:25; 26:19; 27:25; 87:18; 91:22; 130:19; 133:14; 136:21; 144:11, 14; 227:14; 239:8
finding 21:15; 118:4
fine 8:15; 153:10; 218:18; 228:12
fine-tune 127:5
fingerprint 43:6; 82:5, 7; 194:16
fingerprinting 73:16
fingerprints 43:16; 69:22
finish 17:18; 186:18
finished 225:4; 226:16
fire 192:19
firm 7:25; 35:17; 115:2; 173:15; 180:21; 232:2
firms 7:18
First 9:9, 11; 12:9; 13:3; 16:7; 18:11; 20:10; 21:7; 22:7, 25; 24:24; 26:25; 40:15; 41:4; 52:21; 61:5, 9; 70:9; 73:9; 74:23; 80:8; 83:2, 22; 84:18; 88:18, 19; 92:1, 9; 94:4; 100:6, 10; 101:17; 102:14; 128:20; 150:15; 157:16; 158:3; 166:22; 167:18; 170:13; 172:17; 173:21; 177:12; 184:1; 187:12, 24; 199:4; 202:22; 204:16; 209:15, 16; 220:2; 222:14; 224:11; 225:16; 236:25; 238:3
first-time 123:2
fit 46:16; 70:17; 76:4; 91:23; 92:3, 18; 94:14, 21; 95:3; 100:14; 101:9, 21
five 12:4, 8; 28:14, 15; 36:20; 117:15; 118:19; 119:9, 11, 20; 126:23; 136:22; 157:22; 192:6; 195:5; 208:19; 241:8
fixed 49:11; 155:3, 6, 7
flexible 81:11
flies 187:1
floor 19:16; 140:2
Florida 4:19
flow 85:11; 177:12
flows 143:16
fluid 69:5
fluoroquinolone 157:18

fluoxetine 148:20, 24; 149:19; 150:8, 14, 16, 19
flurosemide 124:22
flux 14:14
focus 10:3; 14:16; 19:23; 26:15; 35:22; 57:23; 58:19; 60:25; 63:6, 18; 84:6; 91:21; 115:14; 121:10, 16; 125:6, 21; 184:18; 228:3; 229:3, 5, 11; 238:23
focus-the 13:1
focused 21:11, 12, 16; 23:22; 37:16; 39:5; 113:17; 123:7; 185:13; 192:11; 196:24; 199:9; 239:25
focuses 129:13; 228:17
focusing 26:8; 57:17; 60:24; 124:15; 125:4; 126:8
Folks 40:13; 143:9
folks-in 121:8
follow 32:12; 178:22; 237:22
follow-up 129:4; 237:12
followed 72:10; 134:13; 211:13
following 6:6, 20; 10:20; 51:8; 66:12; 96:24; 102:4; 119:19; 209:15
follows 170:23
Food 4:23; 6:19; 9:12; 21:5; 26:23
footnote 233:9, 11; 235:20
for-what 189:14
force 74:9; 222:17
forced 227:22
foreseeable 130:5
forever 86:17; 238:19
forget 193:17
form 50:10, 11; 111:4; 126:23; 144:3; 147:12, 13, 16, 21, 22; 148:24; 149:12, 23; 154:16; 156:8, 18; 157:6, 18, 19, 22, 25; 158:1, 4, 5, 8, 12, 13, 16; 159:2, 3, 3, 3, 4, 6, 15, 16, 19; 160:1, 1, 2, 3, 5, 5, 5, 7, 12, 12, 16, 17, 18, 19, 24; 161:2, 6, 13, 14; 163:13, 15; 170:11, 13, 14, 15, 17, 24; 171:16, 20, 22; 172:13, 13; 173:11; 174:11, 12, 16, 16, 21, 22, 23, 24; 175:4, 4; 176:9; 178:5; 179:17, 20, 25; 180:15, 23; 181:17, 17, 20; 188:23, 25; 197:16, 16; 204:5, 18, 19; 205:2, 2; 209:24; 211:1, 3; 214:13; 216:14; 219:5; 220:12; 221:14, 14, 16, 17, 19, 23, 25; 222:1, 7, 15, 16, 20; 223:10, 14, 15, 21; 224:2, 3, 4, 8; 225:5; 227:3; 228:15; 229:9; 230:16;

231:8; 235:18
form-if 214:4
form-maybe 224:7
Formal 120:13
formally 130:4
formation 23:1; 90:12, 12
formed 57:11; 90:23
forming 215:25
forms 50:5; 61:9; 68:14; 79:16; 90:4; 94:13, 21; 146:11; 154:4, 4, 5, 10, 19, 24; 155:16, 17, 20, 24; 156:12, 16; 157:8, 12; 159:1, 8; 161:4, 9; 162:22; 163:17; 165:12, 22, 24; 166:1; 167:15; 168:12, 16; 170:8, 11, 25; 171:7; 172:5, 9; 173:12; 174:15; 176:5; 177:25; 187:21; 188:10, 13, 20; 189:3, 8, 10, 10, 15, 21; 190:12, 19; 191:4; 197:20, 22; 198:6, 15; 200:7, 16; 209:20; 210:22, 23, 24; 218:8, 13, 17; 220:7, 11, 23; 222:8; 223:21; 224:9; 225:25; 227:15, 20, 21; 228:19; 229:9, 9; 230:8, 10, 25; 234:2; 240:7
formulate 215:8
formulated 145:9
formulating 63:21; 198:2
formulation 46:3; 58:4; 145:6; 160:14, 25; 175:7; 197:23; 198:3; 200:23; 214:17, 23; 220:21; 224:17; 236:14
formulations 67:21; 144:19; 145:7; 206:23; 219:14, 15; 228:24
forth 43:3; 67:18; 69:13; 76:9; 84:3; 86:5; 119:23, 24; 122:19; 124:18; 129:16; 130:12; 138:11; 220:22, 23; 234:25; 240:2
forty 129:8; 192:8
forward 17:4; 18:22; 19:6, 7, 11; 57:1; 63:22; 64:23; 68:8; 71:13; 73:2, 17; 202:22; 220:22
found 113:14; 116:23; 140:5; 191:8
four 116:3; 118:10, 12, 24; 124:21; 127:23; 133:23; 146:14; 148:7; 165:2; 204:2, 7
fraction 124:20; 189:14
framework 56:16, 17; 57:11; 58:15; 61:12; 63:22; 164:23; 186:1; 232:12
Frank 16:9; 20:13; 33:3; 54:23; 113:7, 12
free 208:16; 213:12; 215:25
Freedom 7:1; 233:3
frequent 233:17

frequently 176:4; 196:4; 233:13; 234:12
front 15:13; 41:6; 167:20
frustrated 186:10
full 17:20; 19:5; 66:2
full-fledged 56:9
full1y 66:24
fully 67:24; 68:1; 80:13; 130:21
function 99:3
functional 99:5, 23
functionality 81:21
functioned 21:8
fundamentals 51:23; 239:21
funding 34:1
funny 143:25
Further 48:2; 63:4; 67:4; 68:9; 91:5; 112:21; 113:24; 114:1; 124:3; 125:18; 126:11; 144:9; 166:25; 167:7; 177:16; 178:8; 180:2; 223:24
future 11:19; 13:1, 1, 3; 14:6, 24; 15:2; 17:24; 19:10, 12; 20:14; 75:16; 83:9, 24; 90:17; 104:3; 126:11; 130:5; 137:3; 172:11; 181:12; 230:17

G

gain 90:17; 137:18; 180:7
gamma 170:6, 7, 19, 20, 22; 171:1, 3
gaps 25:20, 22, 24; 26:9; 31:5; 32:6
Garcia 16:24; 112:11; 113:20; 137:7, 8, 11
Gary 142:5, 12; 222:16; 234:10
gas 8:15
gases 61:10
gastric 164:1
gave 16:16; 23:25; 144:6; 185:7
general 6:4, 17; 7:3, 8; 10:3, 13; 28:9; 30:10, 11; 50:18; 52:19; 57:5; 62:5; 66:11; 89:20; 91:18; 92:4; 94:14, 22; 112:12; 116:19; 148:13; 168:7; 169:4; 173:2; 174:9, 9, 10; 175:1, 2, 21; 178:1; 198:12; 211:11; 214:11; 215:10; 217:1, 2; 220:17, 20; 232:14
general-I 174:8
generally 51:3; 59:15; 171:15; 231:17
generated 83:15
generation 35:2; 36:6
generic 5:10; 14:17, 19; 17:11; 55:12; 108:3; 113:13; 115:2; 142:11, 13;

146:8; 147:5; 148:12, 17;
150:7; 151:18, 23; 168:19;
169:17; 173:11, 14; 187:7;
195:16; 199:10; 211:9;
213:4; 222:18;
232:4
generics 185:15
genetic 29:12; 31:24
genetics 31:19
genomic 26:1
gets 174:13; 186:17;
191:2; 214:10
ghosts 138:24
given 17:12; 32:22;
67:12; 129:9; 153:24;
163:14; 176:12; 187:24;
189:9; 196:18; 198:15;
201:4; 204:5; 228:23
gives 84:10; 158:9;
168:4; 186:14; 231:8;
232:11
giving 33:21; 109:22;
150:23; 202:14
glad 27:2; 201:12
glass 184:14
Glaxo 147:8; 223:13
Gloria 5:2; 98:21
glucose 183:5
glycine 200:3
GMP 13:7, 8, 8; 60:24;
61:24; 83:25; 84:8; 89:16;
110:13, 16; 129:12, 15, 20,
22:20; 133:17; 137:4;
138:18; 80:10
goals 9:5; 187:9
goes 23:15; 76:21; 106:5;
122:21; 145:12; 235:12;
238:18
gold 193:24
Good 4:3, 8; 8:7, 7; 21:15;
25:18; 27:9, 14; 28:1;
29:23, 25; 56:25; 61:25;
72:3, 5; 73:19; 74:3; 78:20;
79:7; 87:1, 8; 91:7; 102:24;
105:24; 117:22; 123:25;
138:22, 23; 139:12;
152:24; 153:12; 168:5;
172:3, 10; 173:13; 176:19;
187:23; 191:21; 199:19;
200:6; 201:19; 202:12;
208:2; 217:5, 9; 220:19;
222:11; 234:18; 239:22;
241:15
government 6:15, 20
gradually 71:17
graduate 195:14
grams 157:21
grand 153:4
granted 6:20; 135:21
granulation 161:11;
228:1
135:17; 199:10;
207:7; 208:1; 216:4
greater 119:19; 220:9;
224:3
green 125:21, 22

grips 67:11
gross 133:3
ground 140:2
grounded 240:3
group 8:23; 15:14, 15;
16:25; 22:4, 6, 12; 23:3, 5,
11; 24:10; 25:1, 8, 9, 25;
26:7, 7, 12; 27:1; 28:10,
22; 29:1; 32:18; 34:1;
82:15; 91:22; 92:5, 19;
93:13; 94:14; 95:2; 99:3,
24; 120:11; 121:15;
123:19; 136:4; 137:12;
138:5; 234:15; 236:17
group's 59:2
groups 13:16, 17; 22:11;
23:2, 9, 21, 22; 24:22;
25:19; 26:11; 35:15; 39:7;
90:23; 99:5
grown 186:9
grows 70:11, 11; 75:20
guarantied 217:19
guaranty 218:17
guess 65:6, 24; 70:23;
100:11; 126:21; 133:20;
153:3; 180:5; 213:9, 22;
219:10; 229:19; 231:10;
233:20
guest 7:6; 185:6
guests 6:15; 16:22; 19:2;
153:15
guidance 9:10, 12, 15;
10:2, 14; 17:19; 18:13, 15;
27:13; 29:15, 25; 30:4;
50:16, 16, 22; 51:4; 52:19;
57:5; 62:4, 6; 76:1; 88:22;
89:1; 91:3; 102:3, 5;
103:21; 120:8, 11, 12, 17;
121:17; 122:6, 8, 10, 22;
123:16; 124:1, 3; 126:24,
25; 127:1, 3, 7, 9; 165:10,
14, 15; 171:14; 175:23;
180:24; 220:18; 236:9
guidances 10:17; 12:22;
14:12, 13; 64:3, 6; 126:22

H

H 164:11
habit 154:7
habits 142:3, 7, 16;
154:3, 6, 11
half 15:9; 107:4
hand 6:17; 199:6
handed 41:7
handfuls 75:17
handle 12:19; 13:3; 14:4;
18:2, 23; 62:20; 78:20;
81:1; 83:14; 84:10; 214:1
handled 37:18; 83:6
handling 52:8
handout 112:18; 116:12;
120:21, 23
hands 226:15
happen 15:7; 38:19;

102:14, 15; 106:14;
122:22; 136:13; 161:15,
16; 211:22
happened 15:9; 112:23;
119:1; 139:6
happening 79:11; 86:20;
168:5; 216:8, 11
happens 77:23; 92:24;
125:10; 130:24; 184:14;
216:5
happy 121:3; 136:11;
139:19, 20; 209:1; 217:14,
25; 218:2
harbor 50:23; 75:25;
76:1; 83:13
hard 66:7; 230:5
hardship 8:13
Harmonization 31:23;
56:23
Harry 142:24
hat 185:16; 238:7
Health 5:18; 37:8
hear 152:13, 17, 18, 20,
22; 181:3, 4, 6; 219:2
heard 24:21; 67:8; 82:20;
105:10; 115:22; 123:1
hearing 17:6; 140:21, 24;
231:10
heavily 26:15
heels 73:7
held 22:3; 53:21; 148:23
Helen 4:8; 8:3; 19:13;
38:13; 73:5; 237:11
help 9:10; 15:3; 27:22;
28:8; 31:13, 24; 32:2, 18;
42:17; 56:7, 17; 68:11;
126:12; 127:5; 131:2;
209:2; 210:6; 237:9
helped 9:16; 10:1; 114:8;
116:17
helpful 12:2; 31:2; 33:21;
34:18
helping 9:17, 22; 31:3;
33:14, 19
Herculean 191:8
herself 4:6
hesitant 75:14
heterogeneous 69:18
high 62:4; 75:4, 6, 7;
89:23, 25; 90:5, 9, 13, 15;
91:25; 94:16; 103:13;
105:14; 108:2; 109:25;
118:5, 25; 122:19; 134:22;
177:5, 9; 178:14; 188:6,
17, 17; 193:8, 10, 25;
194:24; 199:16; 215:10;
221:16; 232:5
higher 63:13; 69:12;
84:22; 117:3; 137:24;
160:4, 5, 6, 16; 221:25;
231:8
highlight 9:5
highlighted 190:11;
205:23
highlighting 84:1

highlights 116:15
highly 30:13; 61:8;
108:18; 159:21, 21; 165:3,
3, 4, 5; 167:4, 5, 15;
177:15, 17, 18, 25; 178:5,
11, 17; 188:15; 211:24;
221:7, 13; 222:3; 223:21;
229:11; 231:4; 234:1, 2
hill 230:2
himself 4:6
hinder 25:20
hindered 239:6
hinges 215:3
hint 200:9
Hiqan 55:24
historical 171:22; 172:8;
180:5, 6, 18
history 27:16; 59:19;
89:17; 98:8; 110:11, 14;
111:25; 147:4; 228:15
hit 80:1; 222:16
hoc 35:19, 21; 39:17
Holcomb 54:23; 113:7,
12
holder 150:1, 2, 5;
151:11, 12, 13, 15
holding 187:9
home 240:2
homeopathic 103:13
homogeneity 116:20;
122:17; 124:23; 135:20,
24
homogeneous 81:17
honestly 71:9; 72:1
hook 228:16
hope 17:18; 26:19; 64:14;
75:17; 80:3; 83:24; 84:13;
86:19; 237:25; 240:23
Hopefully 40:23; 51:15;
88:22; 179:11; 195:5;
228:24; 241:9
hoping 20:25
horrible 99:3
host 239:14
hour 139:4; 141:2
hours 57:12; 85:15;
112:23
house 29:19
housed 41:14
Houston 135:1
HPLC 76:8; 140:9; 193:4
huge 79:22
human 23:23, 24; 24:7;
55:3
humans 24:12
humidity 159:5
hundred 228:19
Hundreds 134:24
HUSSAIN 4:11, 11; 53:1,
6; 67:16; 69:4; 71:5; 75:10;
80:5; 83:22; 111:19, 21;
127:2, 17; 128:8, 12, 14,
22; 129:11; 130:8; 131:1,
9; 132:16; 134:10; 165:14;

183:12; 212:13; 215:3;
216:12; 220:17; 225:19;
228:4, 22; 229:13; 231:13;
234:19; 236:1; 239:12
hydrate 154:5; 155:5;
181:18, 24; 183:3; 230:25
hydrated 197:20; 198:14;
218:8
hydrates 155:17, 21;
181:21; 187:21; 189:24;
198:9; 232:24, 24
hydrogen 184:7
hygroscopic 157:20, 24;
159:4
hygroscopicity 157:1;
159:2, 9
hyper 133:21; 134:1

I

I
Ianlabs 5:10
ICH 31:22; 50:19; 102:4;
104:17, 19, 20, 20; 155:15,
19; 161:25; 162:2, 12, 16,
20; 167:23; 219:21
ID 189:7
idea 29:23, 25; 77:14;
86:13; 101:2; 107:13;
132:11; 172:3, 10; 180:1;
200:25; 214:2
ideas 18:4; 25:18
identical 140:13; 204:6
identification 52:3; 78:9;
146:21; 192:21; 193:8
identified 25:20; 31:5,
23; 32:6; 55:10; 93:19;
94:1, 13, 18; 112:4;
135:22; 200:23
identify 24:13; 31:4;
33:14; 42:18; 67:2; 69:23;
76:5; 91:22; 105:12;
109:13; 131:16, 20, 22;
132:2; 136:23; 201:4;
240:20; 241:5
identifying 33:24; 34:5;
37:3; 91:17; 146:23
identity 144:12; 146:2;
152:2, 9
ignorance 176:17;
180:12
ignored 121:13
ignoring 216:23
II 158:12, 19, 22, 23;
160:1, 5, 5; 161:14; 165:4
III 158:13, 16, 19, 23;
159:3, 3, 6, 15; 165:4
illustrate 125:18
illustrated 189:12
illustrates 166:15
imagine 133:21; 240:14
imaging 21:10; 123:24;
124:13
immature 67:10
immediate 90:7; 165:12
immediately 150:4;

<p>194:25; 211:23 immune-mediated 24:5 impact 7:3; 34:24, 25; 37:21, 25; 51:24; 52:23; 55:1, 62:2, 16; 75:7; 77:23; 82:14, 22; 83:10, 19; 84:2; 96:13, 14, 18; 105:16, 19; 157:8, 10; 160:24; 216:9 impacted 215:17 impacts 62:5 implement 24:16; 127:1; 130:5 implementation 56:10; 90:18 implemented 129:10 implementing 126:22 implication 118:4 implications 116:4; 121:5 importance 51:24 important 8:21, 24; 9:19, 21; 11:25; 13:4, 5; 19:21, 24; 59:4; 72:17; 80:2; 138:5; 142:11; 148:6; 186:22; 198:19; 199:6, 6; 234:20; 236:7; 239:1; 240:15; 241:4, 6 importantly 146:17 impossible 157:24; 194:3 impressed 19:19 improve 41:23; 58:16, 17; 50:18; 63:8; 72:23; 73:2, 24; 86:4; 124:5; 126:12; 131:2 improved 104:5; 132:23; 196:21 improvement 57:24; 86:3; 126:8; 132:8; 221:5 improvements 58:2; 72:21 improving 61:12, 13; 63:15; 72:16; 73:25 impurities 185:11; 191:2 impurity 191:13 in-line 90:19 in-process 44:10; 46:24; 50:4, 10; 71:24; 72:14; 139:18; 212:16 in-product 198:16 inadequate 134:7 inappropriate 134:5 incentive 122:24, 25; 123:11; 186:17 incentives 75:23; 123:6 include 10:21; 11:11; 13:10; 39:9; 113:5; 122:10; 123:16 included 92:23; 95:4; 104:7; 116:18; 185:13; 189:3; 191:14, 15; 192:21; 197:25 includes 53:16; 54:21; 88:18; 109:5; 116:19; 155:20; 189:9</p>	<p>including 15:21; 70:8; 146:17; 147:16; 155:16; 163:25 inclusion 181:22; 186:14 inclusive 230:24 incoming 57:14, 15; 81:2, 4 incorporated 56:22 incorporating 49:3 increase 63:11; 79:9; 158:6, 11 increased 78:14; 121:10; 137:19, 24; 158:7, 15 increasing 63:16; 137:16 increasingly 67:13 incremental 197:9 incrementally 71:13 indeed 215:11; 220:4; 223:11 independent 205:5; 217:16 index 102:10 India 171:2 indicated 23:19; 24:20, 22; 26:9; 38:10 indicates 23:2 indicative 217:19 indicator 139:17; 212:21; 235:3 indirect 46:8; 57:21 individual 10:10; 33:22; 147:16; 173:25 individually 48:5 individuals 54:25; 98:19; 113:25; 120:11 industrial 6:14; 54:9, 14; 55:21, 23; 186:20 industrially 139:6 industries 41:18 industry 7:14, 15; 13:17; 18:4; 21:5; 39:10; 41:15, 18, 19, 20; 58:14; 66:3, 5; 68:12; 71:7, 25; 72:21, 24; 73:6; 82:2, 3, 13, 21, 22; 83:7, 21; 110:18, 22; 111:2, 6; 186:10; 187:4; 211:11 industry's 71:12 industry-l 82:12 inexpensive 45:24; 193:2 inexperienced 189:20 infer 47:14; 49:18 inferential 46:8; 57:21 infinite 188:23 influential 9:22 Information 7:1; 41:16, 22; 43:21; 44:5; 45:5; 47:5; 52:19, 24; 57:5, 15, 20; 59:7, 15, 23; 60:10, 12, 15; 64:14; 66:24; 67:23; 68:1; 70:21, 25; 73:11, 14, 15; 75:20; 80:3; 87:23; 88:2; 111:7; 115:12; 117:6; 122:10; 123:16, 22;</p>	<p>126:16; 148:3, 10; 168:15; 169:10, 19, 22; 175:6; 221:21; 232:3; 238:22; 239:6 informed 148:9, 23; 149:4, 9; 238:1 informing 43:22 infrared 156:3 infringe 149:22; 222:21 infringed 149:22 ingredient 43:25; 74:2; 108:14; 109:4; 145:19, 22; 147:11; 182:3, 4, 25; 183:21; 184:7; 204:4; 206:23; 207:2, 8, 13 ingredients 29:13; 65:14, 15, 16; 99:18; 154:25; 205:17 inhalation 11:12 inhaled 10:15 inherent 81:18; 108:14; 109:2 initial 49:12, 20; 131:23; 148:16; 172:4, 11; 180:14, 18; 211:13; 220:15 initially 23:10 initiated 33:22; 87:12 initiative 13:7, 8, 15; 41:20; 53:20; 57:3; 83:25; 84:8; 91:10; 137:4; 240:5 initiatives 16:19; 37:8, 10; 39:4 inject 71:6 injections 140:11 injury 21:18; 23:5, 22; 24:4, 12, 25 Inn 20:2 innovation 84:12 innovations 32:1 innovator 145:22; 147:9, 12; 150:4; 192:6; 195:16; 211:8; 212:4; 214:15; 217:8; 222:21, 23; 231:1 innovator's 230:8 innovators 167:25 inorganic 92:6, 11 input 9:12, 13; 16:19; 18:5, 20; 19:2; 32:4; 34:10; 56:13; 73:25; 103:23 inside 20:8 insight 110:21 inspect 60:6 inspection 53:15; 54:11; 55:3, 5, 14; 59:14 inspections 51:17 inspectors 51:16 instead 81:20; 85:15; 140:4; 166:10; 181:24; 182:2; 183:3; 187:9 instinctively 239:8 institute 51:6 institutions 6:14; 7:4 instrument 45:19 instrumental 52:6</p>	<p>intact 214:4 integral 45:16 integrate 36:5 integration 31:1 intelligent 81:23 intended 42:20; 50:17; 76:4; 122:21 intense 109:23 intensive 197:7 intent 20:21; 173:8 intentional 183:14 inter-conversion 161:13; 196:19; 211:17 inter-conversions 161:9 interacted 108:13 interaction 95:22; 207:10 interactions 36:12; 95:24, 25; 233:22, 23 interchangeably 43:5 interconnections 240:24 interest 6:1, 2, 7; 7:5, 7, 16, 20, 23; 140:22; 179:1; 228:9 interesting 18:22; 46:14; 74:18; 86:17; 111:18 interests 6:16, 18 interminably 84:18 internal 17:10; 33:20; 37:4; 88:7, 9; 89:10; 91:4; 120:5; 154:3, 7, 12 International 31:22; 56:19 interpret 115:19 interpretation 115:15 interrupt 177:13 interrupted 169:4 interval 206:4 intervals 224:19 intestinal 163:21; 164:25 intestine 163:19 into 8:13; 12:24; 18:1, 25; 26:1; 31:10; 36:5; 39:1; 43:9; 44:21; 46:16; 47:5; 56:8; 57:23; 59:13; 68:10; 70:13; 73:8; 79:13; 80:9; 91:11, 20, 23; 92:3, 18; 94:14, 21; 95:3, 18, 22; 96:9; 101:9; 106:3, 6; 107:14; 108:9; 121:20; 130:6, 6, 21; 131:4; 135:13; 143:16; 147:2, 4, 6; 149:17; 151:21; 160:9; 162:9; 166:20; 170:9, 18, 22; 171:1; 174:24; 176:1; 178:18; 182:4, 18; 185:16; 186:18; 192:16; 194:25; 195:6; 197:10; 199:17; 207:16; 216:3; 218:10; 227:14 intrigued 79:3 intrinsic 95:13; 156:3; 160:2, 4 introduce 4:6; 8:5; 17:23;</p>	<p>87:2; 124:4; 142:5, 10; 163:9; 167:11, 20 introduced 162:3, 8; 167:13 Introduction 8:6; 63:25; 142:8, 18; 161:18 introduction-and 206:13 invariably 47:12 investigate 43:2; 50:23 investigates 165:25 investigating 162:17 investigation 165:7; 176:23 investigational 13:12 investigator 33:22 investigators 25:12; 51:15; 55:7; 120:14 investment 79:13; 193:5; 197:9; 199:11 invite 8:3 invited 16:22; 19:1 inviting 142:10; 184:25 involve 6:13; 7:17; 24:17 involved 33:17, 19, 24; 37:6, 12, 13; 65:5; 110:16; 163:24; 164:3, 6, 16 involvement 7:20, 24; 15:16 IR 94:18; 95:2; 99:11 isolate 227:16 isolation 171:21 ISPE 61:24 issue 6:7; 18:11; 23:11; 43:10; 52:21; 74:5; 80:17; 88:22; 103:2, 8, 19, 21; 105:2; 108:12, 24; 111:3, 4, 25; 112:2, 8; 115:19; 117:7, 8, 24; 118:6; 124:17, 18; 125:6; 127:8; 134:5; 135:5; 140:17; 141:5; 143:7, 9, 16, 17; 147:23; 148:9, 11, 18; 150:11; 151:19; 191:9; 192:2; 200:15, 22; 213:20; 214:8; 217:16 issued 9:16 issues 6:10, 11, 13; 9:20; 11:9; 12:19; 13:2, 14, 19; 14:1, 15; 17:10, 11; 18:2, 10; 19:7; 23:9, 12, 21; 34:11; 36:23; 37:17, 17, 19; 40:22; 42:6; 43:2; 46:10; 47:13; 52:21, 22; 55:15; 63:24; 64:12; 75:9; 78:3; 80:16; 84:11; 93:5, 7, 20, 21, 22, 25, 25; 102:22, 23; 107:8; 115:23; 125:16; 135:21; 142:3, 7, 16; 168:15; 169:9; 185:22; 187:12, 15, 16; 209:10, 19; 210:20; 217:21; 218:20; 237:8, 14; 238:2; 239:1, 19; 241:6, 8 it?—six 189:15 item 140:21</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

iterate 71:17
iteration 71:19
iterative 73:11
5:6

J

January 150:18
Jenkins 28:2
Jersey 55:8
Jim 113:21
job 74:3; 208:2
Joe 54:22; 113:6, 11
John 4:15; 23:13, 14;
27:5, 6; 28:2; 56:5; 107:1;
108:10
joke 20:8
Jordan 56:7
Joseph 5:5; 27:25
Juan 55:8
judge 62:3
Judy 5:7; 6:22; 73:20;
78:18; 104:11
July 88:12; 114:10;
148:21
Jusko 6:22
justification 115:21;
225:12
justifications 114:2

K

Kansas 4:16
Karen 56:6
Kathleen 4:23; 5:25
Kathy 56:7
Keep 62:13; 76:24; 84:23;
85:18; 106:5; 121:14;
221:2
keeps 23:14
Ken 23:3, 19; 69:8;
120:21; 142:22; 182:6, 8,
13; 184:22; 201:14
kept 15:20; 150:13
Kerns 23:6, 20
key 36:11; 57:10; 63:23;
111:1; 156:8; 164:16, 19;
169:14; 185:21; 187:14;
209:10
KIBBE 4:20, 20; 8:14;
71:6; 84:16; 102:20;
103:7, 10; 104:10; 117:8;
127:11; 128:6, 10, 13, 18;
138:19; 216:17; 226:13;
230:3
Kibbe's 59:2
kick 18:10
11:18; 19:14; 22:14;
34:2; 39:17; 40:1; 86:22;
105:16; 110:1; 139:11;
183:22; 204:25; 213:20;
236:8; 237:12, 15, 19, 20;

239:1, 5
kinds 38:24; 154:23;
155:12; 156:6, 23; 158:4;
172:1; 220:11
kinetics 188:25
knew 72:10
know-how 75:13
knowledge 31:2; 45:8;
47:6; 59:4, 8; 60:20; 61:2,
12; 68:21; 75:19; 80:10;
165:18; 168:8, 11, 15;
169:6, 15, 19, 22; 234:21
known 95:24; 96:14;
102:22; 103:2; 137:22;
166:23; 167:4, 14, 18;
177:17, 24; 188:1, 15;
189:2; 196:8; 200:18;
211:24; 221:12; 222:3;
225:23; 226:10, 10, 14;
227:3
knows 110:9

L

lab 124:12; 158:3; 200:1;
235:17
labeled 130:14
labeling 203:22
Laboratories 5:13; 7:12
laboratory 37:18;
123:24; 133:13, 16;
157:17
laboratory-based 31:4
Labs 7:13
lack 59:23; 116:20
lactation 10:21
lactose 62:9
language 225:20; 226:4;
234:21
large 39:24; 47:4; 59:9;
77:16, 25; 116:9; 135:9;
202:19; 213:15
larger 80:20; 196:21
largest 86:2; 190:18
last 9:1; 11:17; 16:4; 17:7;
22:3; 35:6, 16; 44:25;
52:12; 59:2; 100:19;
110:17; 112:24; 117:9;
165:8; 170:14; 180:2;
185:5; 187:22; 190:17;
192:4; 193:1; 197:15;
198:24; 199:8; 200:13;
202:18; 206:25; 207:17;
210:21; 237:15
Lastly 148:20; 161:2
late 112:24; 202:16
Later 16:14; 52:12;
125:13; 127:8; 157:22;
170:20; 171:1; 184:5;
188:10
latter 65:23
Laughter 20:3; 103:15;
110:10; 135:3; 153:5;
203:6
law 88:1

Lawrence 142:20; 144:6;
146:13; 153:6; 176:14, 15;
181:1, 5; 184:21, 24;
185:2; 188:3; 189:17;
190:1; 197:21; 199:8;
202:24; 206:12; 208:17;
219:9
Lawrence's 190:11;
207:4
lawsuit 151:7, 8, 9
lawyers 143:15, 18, 22;
145:10; 146:13; 147:24;
234:11
layer 155:9
layering 181:23
LAYOFF 5:17, 17;
16:11; 41:4; 69:17; 77:1;
82:1; 132:15; 133:6;
139:24; 140:1
Layloff-I 41:1
lead 27:11; 126:2;
208:25; 209:7
leading 56:9; 123:9
learn 106:6; 237:3
learned 53:2; 76:8
learning 61:15
least 28:8; 36:24; 65:9;
79:21; 95:8; 98:9; 100:20;
106:1; 117:25; 139:1;
142:19; 159:15; 170:13,
17; 195:6, 19; 204:24;
207:18; 211:12, 14;
230:18
leaves 23:16
leaving 15:9; 19:8
led 9:10; 185:12
LEE 4:3, 25, 25; 5:24; 8:2,
8; 15:19; 19:13; 20:8; 27:5;
39:14, 19; 40:10; 53:4;
65:1; 70:15; 73:20; 74:14;
78:16; 80:1; 82:9; 86:15;
87:1; 98:21; 100:11, 16;
102:19; 104:11; 106:25;
108:10; 109:7; 110:1, 4, 7,
17; 111:10, 16; 126:18;
127:10; 129:5; 133:5;
134:18; 137:9; 138:18;
139:22, 25; 140:20; 142:2,
9; 152:13, 18, 22, 24;
153:2; 168:20, 22; 169:2;
176:14; 180:25; 181:4;
184:10, 18, 21; 201:14, 19,
22, 25; 202:3, 6, 9, 12;
203:7; 207:22; 208:2, 9,
12, 14, 16; 209:4, 8, 17;
210:8; 211:6, 19; 213:1;
219:1, 8; 222:13; 226:5;
231:10, 25; 233:6; 236:3,
12, 20; 241:3
left 41:19; 87:25; 96:10
legal 143:17; 147:6;
150:10; 151:21
Lem 4:13; 65:3
length 35:2
Leon 5:9; 7:13; 74:14;
211:6; 213:5; 222:13;
224:15, 21; 227:7; 228:5

Les 23:6, 20; 153:2, 3, 4;
168:20, 21, 22; 184:22;
185:20; 201:17; 202:12;
203:7; 207:22; 208:2, 7,
14; 217:17; 219:2
Leslie 142:23
less 5:18; 89:14; 91:2;
95:10, 14; 103:11; 116:8;
118:10, 12, 18, 21; 119:8,
10; 127:23; 159:4, 7, 14,
15, 15; 190:3; 197:7, 7, 9;
208:25; 214:16, 24;
222:15; 224:2, 5, 8
level 44:14; 61:21, 22;
62:24; 63:1, 13; 92:15, 16;
93:3, 4, 7, 22, 24; 94:10,
12; 96:6, 8, 23; 97:10, 12,
21, 22; 98:7; 105:25;
119:24; 122:19; 125:24;
140:8; 187:6; 193:5;
194:24; 198:21; 231:8;
232:17
levels 96:24; 97:3; 165:1;
192:15; 193:8, 24; 195:22,
23
liabilities 195:10
liability 196:18, 19
lieu 45:20
life 47:22; 48:12; 212:5,
15, 18; 216:20; 219:6
light 145:12
likelihood 37:24; 62:12,
14, 21, 22, 25; 215:23;
220:3; 234:5, 7
likely 138:15; 174:19;
218:5; 223:22
likewise 195:17
Lilly 5:15; 149:5, 9, 13;
150:12, 24
limit 200:6
limitations 52:8
limited 59:17; 60:21;
109:20; 178:2; 231:18, 21
limiting 47:25, 25
limiting-might 47:25
limits 131:25; 164:16;
204:19
line 15:21; 114:21; 122:6;
136:13; 184:17; 237:23
linearity 200:7
lines 85:23; 215:7
link 46:10; 77:6
linkages 36:12
links 60:16
Linus 139:11, 12
liposomal 90:13
liposomes 10:22
liquid 157:23
liquids 79:18; 94:19;
95:2, 11
liquified 157:23; 158:9,
12
list 31:12; 87:20; 89:2, 4,
5, 7, 8, 10, 13, 20; 102:16;
103:25; 104:3, 8, 8;

106:22; 108:4; 149:6;
150:22, 24, 25; 151:1, 10,
11, 14; 186:18, 24
listed 145:20, 21; 149:1,
15, 18; 152:4; 157:13;
169:18, 25; 174:22; 204:3;
232:6
listening 27:20
listing 149:3, 10, 16;
150:13
lists 186:10
literature 168:16;
169:11; 188:5; 218:11;
223:11
litigation 222:17
litmus 215:2
little 8:18; 11:20; 27:16;
67:9; 70:18; 74:17; 93:18;
98:7; 144:17, 18; 145:11,
12; 147:1, 4; 173:17, 20;
174:13; 187:13; 188:18;
190:15; 192:3; 196:22;
200:18, 18; 203:8; 228:3;
235:21; 237:10
livable 84:24
live 85:1
lived 133:7
liver 163:22
living 4:18
loaded 129:11
location 128:15, 16;
131:23; 137:15
locations 117:3, 14, 16,
18; 127:17, 20, 25; 128:1,
2, 5, 9; 131:17, 18, 22;
132:1, 3
logic 129:17; 187:1;
235:11
logical 46:12; 119:22;
197:19
logically 186:21
logistics 120:2
long 73:17; 111:4;
136:25; 139:1, 20; 151:6;
178:4; 211:10; 217:25;
220:15; 237:15
look 8:18, 22; 10:23;
17:12; 18:22; 19:6, 7, 11;
26:18; 41:21; 42:2, 8; 43:7;
44:3; 48:3; 55:20; 57:2;
64:9, 23; 66:2; 73:24, 25;
74:2, 10; 77:17; 78:4;
79:21; 80:25; 85:22;
90:23; 95:18; 102:13, 17;
107:21; 108:6; 109:12;
110:12, 14, 15; 118:16;
120:24; 125:20, 22, 22;
128:23; 130:13; 131:19;
132:19, 25; 135:15, 18;
136:1; 140:18; 143:24, 25;
144:3, 25; 158:4, 20;
166:5; 174:25; 175:1, 23;
186:5; 194:11; 195:7;
203:10, 15; 204:24; 205:1,
21; 212:15; 216:4, 19;
219:16, 16, 18; 220:19, 22;
221:14, 18; 222:20;

224:14; 228:12; 234:23;
239:18; 240:6
looked 21:9; 42:6, 15;
43:3; 44:2; 77:2; 95:22;
96:9; 113:9; 114:4;
115:12; 124:13
Looking 11:15; 12:4;
13:11, 15; 21:8; 42:3;
43:13, 24; 46:3, 5; 69:4, 8;
71:18; 74:4, 12, 16; 77:7;
9; 79:4; 84:10; 87:15, 17;
90:14; 108:7; 109:11;
117:14; 119:7; 122:17;
128:20; 136:2, 8, 9; 138:8;
139:15; 140:13, 15; 144:8;
145:15; 188:14; 195:17;
196:21; 201:9; 217:23;
221:13; 222:19; 226:6;
229:3, 6; 234:23
looks 118:1; 139:17
loss 75:7; 78:6
lost 128:6; 151:7, 7
lot 9:16; 10:6, 23, 25;
11:1, 9, 17, 18; 13:1, 10,
13, 17, 18; 14:17, 22; 19:5;
21:8; 23:23, 23; 24:4, 5;
25:22; 29:6; 36:16; 50:24;
52:10; 60:10; 69:13; 71:8;
72:1; 74:6; 81:10, 10;
82:13; 85:21; 89:24;
98:19; 130:19; 136:3;
137:13, 18, 25; 138:15;
148:10; 186:17; 194:8;
199:12; 220:19; 227:3, 6
lots 21:22; 47:15; 70:21;
80:2, 3; 115:2; 236:24
louder 137:9
love 20:5
low 62:25; 75:2; 76:15;
78:10; 87:20, 21; 88:21;
89:3, 14, 24; 90:3, 7, 8, 11,
15, 16, 20; 91:17, 25;
92:13; 93:2, 14, 16; 94:6,
8, 16, 24; 95:17; 96:2, 16,
21; 97:7, 20; 98:3, 14, 16;
100:15; 101:21; 103:12;
105:15; 106:22; 107:14,
19; 108:17; 109:23;
127:14; 177:5, 9, 15, 19;
178:7, 15; 199:11; 215:11;
220:3, 12; 221:11
lower 62:22; 63:19;
123:9, 10; 129:2
lucky 139:4
lunch 17:6; 134:19, 19;
140:25; 141:5, 8
Lyon 124:12

M

Machado 113:7
machine 139:8; 200:1
macro 65:16; 67:3; 99:13
macromolecules 90:3
magnesium 62:7; 125:11
magnetic 156:5
main 23:11; 40:3

mainly 87:25; 102:4;
165:14; 179:10
maintain 73:17
major 25:4; 36:20; 61:6;
62:8, 10; 76:10; 240:10
majority 146:25
makes 75:20, 22; 101:5;
123:2, 3; 133:18; 138:22;
139:12; 206:16
makeup 38:10; 39:7
making 10:1, 13; 15:4;
19:20, 22; 54:15; 57:19;
72:21; 75:5; 79:17; 80:21;
126:9; 127:6; 142:25;
226:20; 240:10
manage 48:7; 76:9;
81:10, 22; 118:4
managed 66:1
Management 5:17; 58:4;
109:18; 171:9; 187:4
managing 56:6
mandate 24:10
manner 237:4
manufacturability
157:4; 161:3, 7
manufacture 41:11, 15,
24; 43:9; 49:15; 50:11;
85:10, 11, 12; 161:5;
169:17, 23; 200:15
manufacture—a 49:25
manufactured 49:16;
50:2, 5; 65:13; 74:25; 75:3;
76:4; 172:14
manufacturer 5:10;
103:18
manufacturers 75:5;
78:22; 86:11; 102:25;
103:23
manufacturing 12:5, 14;
13:6, 10; 17:22; 18:1, 10,
11; 38:14; 42:25; 43:20;
44:4; 46:21; 48:17, 23, 25;
49:6, 18, 23; 50:8; 55:2;
57:7, 14; 61:13, 25; 62:15;
67:11; 68:3; 71:10; 74:22;
76:18, 21, 22; 80:11; 85:6,
6; 90:10; 115:1; 117:1;
123:2; 132:2; 135:13;
152:7; 161:4, 8; 172:12;
175:7; 236:15
many 6:14; 7:3; 9:9;
10:24; 11:7; 13:2, 7; 19:8,
9; 29:10; 56:22; 58:9;
59:11, 20; 60:8, 11; 61:23;
68:13; 74:12; 76:11;
82:11, 11; 85:8, 9; 88:10,
14; 107:13, 24; 110:24;
123:1; 125:7; 128:13;
134:15; 143:15; 144:20,
23; 148:15; 154:21, 22;
163:11, 11; 168:1, 1;
169:4; 170:10, 10, 16, 16;
175:1; 198:5, 7; 200:20,
21; 230:13, 15; 231:12;
233:17; 239:19
mapping 194:4, 8
maps 194:6

marginally 116:2; 118:8,
13; 119:6; 128:3, 4
markers 24:16
market 181:10; 222:19
marketed 211:3; 217:7
marketplace 73:3; 75:8;
226:24
Marv 107:1; 126:19
Marvin 4:17; 211:21
Marvin's 215:19
MASSA 5:14, 14; 16:22;
82:10; 110:18; 111:12;
135:4
material 81:19; 134:11;
140:14; 191:2, 16; 195:10;
227:9, 24; 228:9; 229:2, 3,
5, 21, 22
materials 46:24; 57:14,
16; 74:1, 10; 81:3, 5, 5, 16
Matrix 125:24; 181:9, 13
Matsuda 189:13
matter 22:2; 124:16;
130:18; 134:23; 232:12;
233:1
matters 6:4; 234:21;
238:6
mature 34:16
may 6:24; 7:7, 25; 20:20;
28:10; 34:1; 35:23; 36:3, 6,
23, 23; 37:8, 9; 62:9; 70:7;
76:1, 14; 77:25; 78:8, 12;
80:6; 81:22; 95:14; 96:1,
15; 99:17; 101:21; 106:13;
107:8, 8; 109:8; 112:10;
115:6, 7; 122:10; 123:16;
131:18; 135:23; 136:21,
23; 146:3, 16; 162:3;
168:14, 16, 16, 17, 17;
169:10, 21; 173:4, 14;
175:18; 181:11; 190:3, 6,
13; 192:6; 193:23; 195:8;
196:7, 11, 15; 197:4, 5, 6,
22; 198:7, 12, 20; 210:22,
25, 25; 211:16, 16; 216:10;
220:16; 222:22; 233:11,
13; 237:16, 17; 238:8, 21,
239:2
maybe 31:11; 35:20;
75:17; 79:23; 90:11;
102:8; 105:5; 106:5;
107:11; 109:7; 134:5;
143:23; 161:4; 201:6;
213:22; 225:3; 227:17;
228:2; 229:7; 237:18;
238:23
maze 36:11
McGregor 22:13, 19
McGregor's 22:16
mean 70:3; 75:2; 84:21;
85:1; 101:3; 104:16, 17,
20; 106:1, 12, 16; 118:17;
119:7; 131:6; 132:18;
133:14; 136:24; 147:23;
177:20; 180:22; 213:16;
216:2; 224:9; 226:10;
230:9; 232:9, 22; 235:4;
236:1

meanings 82:24
means 29:6; 69:23;
70:18; 73:3; 76:3; 101:4;
103:12; 104:22, 24; 119:6;
140:23; 167:13; 175:8;
177:24; 178:1; 179:13;
180:17, 18; 194:19;
197:17; 205:11
measure 57:17; 188:22;
218:1, 3
measured 85:7
measurement 46:22;
47:20, 21; 48:11; 54:6;
58:7; 72:13
measurements 46:9, 13,
17, 17; 47:11; 48:7; 50:4
mechanism 34:1; 40:6;
51:6; 90:6
mechanisms 24:14
mechanistic 61:3
media 164:13
Medical 4:16; 28:12, 16,
19; 89:10, 12; 102:12, 13,
16; 108:6, 9
Medicine 53:18, 19;
55:13
medium 90:20; 175:25
meet 81:6; 92:6, 20;
119:10; 120:6; 128:3;
146:1; 204:16; 205:3, 9;
212:3, 5
meeting 4:4; 6:8, 10, 10;
7:14; 8:5, 6, 21; 9:4; 10:1;
12:9; 17:7; 22:3; 25:6;
27:18; 30:19; 38:25;
39:22; 42:2, 8; 52:12, 18;
53:21; 54:18; 59:3; 63:22;
74:4; 118:8, 9; 120:5;
162:4; 237:24
meetings 10:24; 21:22;
32:13, 14; 35:24; 88:9, 10,
14; 148:15; 163:12, 12
meets 97:5; 104:22, 24;
152:1, 8; 215:12, 15
melt 189:19
melted 158:9, 12, 16
melting 156:25; 157:16;
158:13; 159:1; 170:6;
173:2, 4, 6; 189:7, 11, 18,
21; 190:5, 5
member 4:13; 7:6; 32:25;
33:3; 35:8; 40:16; 56:1;
111:10; 238:12
members 8:9; 11:8; 18:3;
22:17; 25:7; 35:12, 20, 21,
21; 36:3; 39:9, 10; 55:5;
64:15; 113:5; 141:4;
153:13; 201:15; 239:10;
241:11
membership 15:8, 12;
30:7; 33:5; 35:4, 18, 18;
39:9, 16; 54:24
membrane 163:21
membranes 207:16
memories 176:19, 19, 20
mention 15:12, 22; 76:20

mentioned 17:21; 23:1;
31:8; 33:2; 36:14; 37:4, 12;
38:13; 65:19; 67:17;
110:24; 171:3; 178:23;
241:3
message 82:21; 83:23;
236:10
met 24:20; 53:7; 112:22;
118:20; 120:5; 147:22, 23;
204:15; 212:22
meta-stable 188:13, 20;
189:2; 191:3; 221:16, 23,
25; 231:4
metabolism 164:2, 6
metabonomics 31:9
metallurgy 72:10
method 62:11; 72:9;
139:7; 140:4; 149:1;
156:8, 14, 15; 175:19;
220:14
methodologies 99:11
methodology 10:4;
14:20; 31:2; 44:8; 52:8;
129:7; 130:6; 131:15
methods 14:18; 45:20;
50:21; 51:7; 122:5, 9, 11,
16; 123:17, 25; 155:23;
156:6, 12, 20; 176:6;
193:1, 20; 195:21; 199:15;
209:25; 218:12
MEYER 4:17, 17; 107:2,
13, 25; 110:5, 8; 126:20;
178:16; 210:5, 9; 213:2,
20; 219:9; 221:6; 222:2, 8;
224:1, 11; 229:7; 233:8;
234:9; 236:13
Meyiu 113:8, 9
microarray 36:5
microbial 52:18
microbiology 12:6;
38:14
micronization 161:11
microscope 158:3
microscopy 156:1;
172:7
might 43:4; 47:17; 74:21;
78:12, 14; 86:1, 7; 133:22;
168:5, 5; 195:20; 197:8;
203:12; 214:8, 10, 15;
216:7; 217:23, 24; 218:5;
227:4; 236:8; 239:2
Mike 54:22
Miller 185:7
milligram 95:9; 103:11;
107:2, 4, 5, 7
milling 161:10
million 83:11; 85:17;
128:20; 131:8, 13; 133:23,
24; 135:2; 136:22
mind 62:13; 92:1; 117:25;
121:15; 221:2
mine 142:18; 226:19
miniaturization 76:17
minimal 128:24, 25;
129:25; 133:1
minimum 98:10; 129:20;

132:10
mining 107:22; 115:10; 220:19
Minnesota 23:4; 200:20
le 204:8; 212:2
minutes 58:25; 61:18; 81:14, 15; 157:22, 22
mirrors 138:24
miss 20:2; 177:20
missed 102:8
misses 134:8
missing 66:24; 68:5; 217:4
missions 9:4
mistrust 60:11
mitigated 7:10
mitigation 58:22
mix 112:7; 125:11; 135:20
mixed 192:22; 193:9
mixing 112:1; 135:19, 19
mixture 35:20; 39:18; 146:5; 171:22
mixtures 214:8
mock 52:16; 64:18
mode 76:18, 21; 200:4
model 31:18; 43:3; 49:2; 70:14; 79:10; 80:12
modeling 69:11; 70:12; 72:15
ols 70:9; 71:14, 15; 72:12, 14; 79:7, 18
modern 146:21
modification 222:10
modifications 17:1, 3; 35:1; 36:2; 195:19
modified 223:17
modifying 36:25
Moheb 54:23
moisture 159:5, 7
molar 205:16
molecular 99:8; 101:20; 155:1; 181:7; 183:23
molecule 99:1, 2, 8, 10, 21; 154:21; 182:15, 17
molecules 90:2, 4; 99:13, 15; 154:15, 17, 20, 21; 155:6
moment 193:17; 194:1
money 85:21
monitor 60:6; 77:12; 210:18
monitored 161:23
monitoring 44:22; 132:21; 229:25
monograph 147:19, 20, 23; 188:1; 204:21; 223:17
monographs 123:23
is 78:2; 148:7
more 10:3; 12:14; 13:15; 14:12; 16:18; 19:3; 24:2, 3; 37:11; 44:3, 17; 45:7, 8; 53:11; 56:1; 60:25; 61:3;

62:6, 7; 68:7, 10, 14, 17, 25; 69:25; 70:12, 20; 72:12, 12, 14, 15, 17; 73:14, 15; 78:10; 80:21; 81:23; 84:11; 85:22, 23; 91:2; 101:13; 106:6, 19, 24, 25; 107:21, 24; 109:21; 114:22; 117:16; 124:20; 126:9; 130:5; 131:3; 132:4, 10, 13; 135:1; 136:6; 138:5, 15; 151:21, 21, 22, 22; 159:13; 160:15; 175:19; 176:25; 183:13; 187:5; 188:18; 190:2; 192:11; 194:2, 5, 23; 195:4, 4; 208:24; 216:12; 218:5; 220:22, 25; 222:15; 223:10, 10, 14; 224:5; 228:17; 229:9; 231:18, 21; 235:14, 18; 238:1; 239:25; 241:10
morning 4:3, 8; 8:7, 8, 17; 9:7; 16:7, 14, 21; 18:8; 27:9, 14; 30:1; 40:13; 87:8; 91:7; 237:7, 12; 239:13
morphic 171:16, 20
Morris 5:3; 69:9; 120:21; 142:22; 182:8, 14, 23; 183:5; 184:11, 22, 24; 210:19; 213:8; 218:6; 223:5; 224:13; 226:25; 228:11; 229:15; 230:22; 232:8
mortar 140:4
most 19:19; 42:12; 51:10; 61:9, 22; 65:7; 79:5; 87:24; 101:20, 22; 102:24; 106:12; 117:7; 124:10; 131:24; 135:12; 161:15; 164:6; 170:11, 14, 15, 24; 174:11, 19; 175:3; 188:18, 24; 193:20; 197:16; 209:23; 211:3; 214:12, 24; 221:14, 14, 17, 19, 25; 222:6; 223:22; 234:2
mostly 42:5; 51:2
motivation 109:9, 10, 11
mouse 31:18
move 17:4; 57:1; 60:19; 61:2, 5; 62:18, 25; 63:22; 68:8; 69:16, 24; 73:17; 75:18, 21; 76:17; 77:18; 84:8; 92:14; 93:3; 94:9, 25; 95:18; 96:5, 22; 97:10; 98:5; 106:6; 114:8; 115:7; 122:13; 172:16; 173:19; 184:19; 202:21
moved 25:25; 47:5; 93:23
moves 43:25
moving 12:16; 44:21; 48:5; 57:18; 69:22; 71:13; 73:7; 81:21; 121:11; 124:6; 130:9; 139:21; 190:10; 196:1; 241:7
MOYE 4:13, 13; 65:3, 4; 68:23; 70:2; 78:5; 129:4, 6; 130:2, 23; 131:5, 10; 133:20; 135:1; 176:16; 177:4, 8, 11; 178:9, 13, 21;

179:4; 180:1, 11
MRI 21:11
Mrs 27:17
much 5:24; 8:2, 10; 9:2; 15:13, 18; 19:13; 24:2, 3; 35:22; 39:12; 40:25; 44:4; 45:7, 8; 60:22; 70:16; 71:2; 74:10; 80:19; 84:19; 106:3; 111:16; 119:25; 126:18; 132:4, 7; 133:25; 139:22; 140:20; 143:8; 159:3, 15, 15; 160:4, 6, 15, 16; 172:2; 175:19; 184:21; 186:12; 190:3; 191:18; 194:5; 196:10; 199:25; 202:12, 13; 207:21; 208:9; 223:1; 224:23; 228:17; 231:8, 18; 232:12; 236:20; 238:16; 241:13
multifactorial 67:7
multiple 99:18; 107:4, 10, 12; 109:11; 146:22; 162:22; 205:19
multivariate 47:15; 48:8; 58:18; 63:9; 122:14; 125:5
Museum 154:9
must 49:3; 145:23; 204:4, 5, 14, 16; 205:9, 11; 206:3; 207:16; 212:3, 4
mutagenicity 31:20
Myocardial 23:22; 24:4
myself 54:24; 113:7; 185:20
mystery 170:4

N

N 118:19
Nair 152:14; 190:20; 202:6; 208:12, 24, 25; 209:18; 210:21
narrower 228:3
NASA 67:14
nasal 10:15; 11:12
Nasr 54:23
National 12:16; 32:4; 38:4
naturally 223:14
nature 7:8; 38:8; 50:13
NCSS 12:11, 15; 32:5; 33:2; 35:13
NCTR 33:21; 34:13; 35:13; 37:5; 38:21, 24
NCTR's 32:24; 33:2
NCTRs 30:18
NDA 87:24; 88:4; 101:8; 108:20; 149:2, 5; 150:1; 151:1, 11, 13; 210:11; 213:5
NDAs 100:21; 101:1, 13, 17, 18; 167:25
near 15:2; 44:24; 75:16
near-infrared 114:21; 124:13
neatly 197:10

necessarily 37:16; 85:25; 101:12, 16; 159:22; 173:3; 198:21; 224:9
necessary 43:4; 120:15; 166:11; 167:2; 168:10; 171:25; 174:20; 178:7; 180:10, 20; 199:3; 203:4; 207:20; 210:4; 221:20, 22; 223:23
necessity 209:22; 225:2
need 12:21; 16:20; 17:15; 18:21; 21:13; 28:6; 33:10; 35:6, 9, 16; 36:12, 24; 37:9, 19; 38:24; 40:4; 47:22, 22, 23; 63:25; 66:23; 71:20; 83:5, 16, 20; 84:22; 86:13; 87:7; 93:25; 98:8; 105:4; 109:24; 112:16; 132:10; 136:16; 153:7; 162:17; 163:5; 165:25; 166:3, 4, 5, 8, 15, 16; 169:6; 174:1; 180:17; 194:8; 198:21; 203:23; 205:21; 209:2, 4; 217:6; 220:24; 221:2; 224:11, 24; 225:9; 232:19; 233:3, 4
need--there 180:14
needed 32:14, 24; 52:19; 88:2; 109:22; 120:16; 206:13
needle-like 158:10
needs 30:20; 34:19; 36:8; 37:4; 47:21; 54:10; 83:2; 120:10; 124:25; 168:7; 226:20; 238:9
negate 76:7
negotiated 86:5; 184:17; 190:14
nerve-wrecking 229:22
Nesbitt 4:21
network 36:11
Nevertheless 23:25
New 5:23; 14:9, 9, 10, 11; 15:11; 18:23; 24:16; 27:24; 28:3, 10, 13, 14; 31:1; 36:22, 22; 41:22; 48:15; 51:6; 55:8, 11; 57:3; 58:9; 67:2; 74:20, 20, 21, 24; 76:6, 8; 77:16, 19, 20, 20, 22, 24; 78:7, 9; 84:12; 101:7, 10; 119:21; 120:7; 121:12; 123:14, 18; 124:4; 126:11, 13; 131:15; 138:21; 162:6, 7, 10, 19, 21, 23; 163:7; 165:24; 171:14; 172:20, 25; 173:11, 15; 180:7; 183:23; 231:18; 240:22
newer 106:11
Newman 199:20
next 16:5, 19; 17:3; 18:20; 19:4; 23:8; 26:16; 39:1; 40:25; 58:22; 71:19; 79:23, 25; 88:23; 92:15; 93:3, 4; 94:10; 95:5; 96:5, 22; 97:3, 10, 21; 108:5; 112:25; 120:4; 126:23; 130:25; 131:6, 11; 140:20;

167:3; 174:3; 175:11; 195:5; 240:5; 241:8
NF 81:9
NGO 5:18
nicely 174:17
nights 20:2
NIR 122:11; 123:17, 20, 23, 24, 24; 136:4, 6; 139:15
nominated 55:6
nominations 37:13
non-binding 30:13
non-clinical 11:13; 20:11, 16, 19; 30:18; 32:8, 24; 38:3, 17; 39:2, 8
non-equivalent 156:9, 18, 19
non-homogeneity 126:3
non-uniformity 44:23
none 135:6
nonstoichiometric 155:2; 181:18, 21
nonstoichiometrics 155:8
noon-clinical 16:8; 34:12
noon-homogeneity 125:8
normal 125:23; 130:16; 133:8, 10
normality 115:14, 17, 19; 116:19
normally 115:14
North 148:23; 151:5
nose 222:17
notation 196:3
note 7:11; 20:9; 121:3; 191:6
noted 7:21
notice 126:23; 211:16
noticed 74:22; 103:10
November 88:12; 112:9
NTP 34:2; 37:12
nuclear 66:4; 156:4
number 8:19; 9:14; 10:20; 11:6, 23; 13:16; 14:9; 15:1; 25:6; 44:12; 66:18, 25; 67:1; 88:7; 116:9; 117:17; 127:12; 128:9; 137:14; 138:3, 7, 16; 143:5, 13; 165:25; 166:6, 6, 8, 9, 10, 14; 167:9; 169:15; 171:12; 172:16, 17; 173:16, 19; 179:18, 18; 185:22, 23; 190:10; 196:1; 197:1; 198:13; 209:8, 18, 21; 211:23; 212:1; 214:13; 218:7; 221:6; 225:11; 230:18, 20; 236:13; 238:20
numbers 128:7; 137:16, 24; 196:22, 24
numerous 147:23, 24

O

objection 222:2
objective 48:10; 91:12; 161:20
objectives 9:5; 30:3, 22; 91:10
observation 176:24; 197:15
observations 23:24; 44:20; 185:7; 236:23
observed 24:6
obtained 6:25; 50:8; 107:20
obvious 67:3; 116:24
Obviously 95:3; 144:7; 193:10; 227:15; 236:6
occasionally 101:18, 21; 199:5
occasions 148:4
occupy 146:14
occur 28:2; 32:13; 34:21; 36:12; 125:12; 163:17, 20; 195:8; 235:3; 238:7
occurring 56:23; 76:24
occurs 44:23, 24; 196:14, 15; 207:10
October 6:5; 112:23; 120:5; 241:18
ODE 28:22, 25
ODEs 28:14, 17
off 8:20; 9:6; 11:20; 27:11; 139:19; 201:23; 202:1; 228:16; 230:6
offer 39:20; 122:7
offers 58:8
Office 4:9, 12; 5:23; 7:1; 8:4; 9:1; 18:16, 17, 24; 27:24; 28:3, 10, 13, 14, 23; 29:1, 21; 37:7; 53:16; 113:11, 12; 142:11, 13; 146:7; 147:5; 148:16, 17; 150:7; 151:17, 22
officer 28:16, 19
officers 55:10
offices 28:14, 15; 36:19, 20
often 59:21, 24; 60:10; 61:7; 67:23; 74:20; 75:1; 77:20; 143:16; 188:5; 191:4; 196:6, 8; 199:2; 210:3; 222:17; 234:8; 237:23
oftentimes 237:14; 239:2
OGD 185:12; 192:14
OINDP 12:11, 20
old 71:8; 73:7; 186:8; 188:8; 217:6; 240:13
older 74:19, 24; 77:22; 188:6
oligonucleotide 92:25
Olson 54:22
omeprazole 148:7
omits 109:1

on-line 57:17; 64:22; 90:18
once 57:4; 63:3; 88:12; 89:12; 156:17; 170:15; 178:18; 180:19; 217:13; 222:24; 231:7
one 9:11; 12:7; 13:4; 15:6; 22:17; 23:11; 25:8; 26:11; 35:11, 24; 37:16, 18; 38:12; 39:15; 40:7, 8, 25; 41:6; 44:2, 17; 51:8, 10; 56:1; 59:1, 5; 60:7; 61:14; 64:1, 19; 65:22, 22; 66:15, 18, 25; 67:19; 69:10; 70:3; 72:11; 73:1; 75:24; 76:10; 80:7, 16, 23; 81:4, 25; 88:19; 95:8, 9; 99:10; 100:19; 103:11, 19; 107:2, 5, 6; 110:17; 112:14; 117:24; 119:18; 120:21; 124:1, 24; 126:10; 128:2, 14, 20; 129:12, 16; 131:7, 19; 132:18, 22; 133:4; 135:1; 137:20, 23; 140:7, 10, 22; 141:2; 144:9, 17; 145:4; 148:24; 151:4, 13; 161:25; 162:22; 165:25; 166:9, 20, 20; 169:15; 171:12; 178:21; 179:15, 18; 181:16; 183:12, 13; 184:1, 1, 2; 185:10, 22; 186:22; 187:15, 25; 189:21; 190:16; 193:20; 196:7; 208:18; 209:8, 18; 210:20; 213:22; 214:1, 9; 215:15; 216:12; 217:17, 24; 221:6; 224:7; 225:12, 15; 226:14; 229:19; 230:15, 15, 18, 20; 231:16; 233:8; 235:24; 238:20
ones 26:20
ongoing 200:19
only 12:7; 30:17; 31:3; 43:10; 56:16; 58:15; 63:13; 75:2; 79:19; 86:11; 97:24; 125:6; 128:2; 132:17; 149:2; 151:1, 11, 13; 159:6; 171:15; 174:15; 185:25; 189:22; 192:6; 197:1; 199:5; 203:18; 207:4, 6; 212:6; 214:20; 216:7; 218:22; 227:17; 230:8, 10, 14
only--only--in 154:24
OOS 44:20
open 73:17; 96:10; 140:21, 24; 150:14; 188:4; 191:20
opening 68:8; 72:19
opens 58:3; 212:24
operate 22:23
operating 49:10; 79:14; 137:13
operation 238:18; 240:13
operational 211:21
operations 48:3; 49:9; 69:11; 112:2; 113:19

operator 119:24
operators 118:3
opinion 40:11
opinions 239:10
opportunities 24:13; 58:9; 122:8
opportunity 29:21; 67:4; 85:5; 150:2; 180:6; 186:4, 15; 202:15; 225:13
opposed 99:2; 202:18; 231:18
OPS 9:4; 10:6, 12; 11:2; 12:1; 14:3, 16; 15:18
optics 200:2
Optimization 58:1, 4, 11; 60:9; 65:20; 67:5, 23; 68:6, 12; 78:9; 79:1
optimize 65:20; 79:8
optimized 50:7
option 81:4
options 81:4; 126:14
oral 11:12; 94:19; 164:17; 165:12
orally 10:15
Orange 149:2, 4, 7, 10, 15, 17, 18; 151:2, 9; 206:1
Order 4:2, 5; 35:10; 37:20; 65:18; 159:18; 161:5; 167:14; 169:7; 171:18; 221:21
organization 55:1
organizations 55:6
organized 56:9; 238:23
origin 92:11
original 43:17; 71:15; 74:22; 88:3; 172:13; 223:15
originated 41:12
OSTERBERG 5:21, 21; 16:10; 27:9, 10; 33:7
others 14:3; 31:18; 73:13; 124:12; 178:15
Otherwise 154:25; 155:5; 168:9; 175:15; 198:20; 231:3; 232:22
ought 36:24; 39:16; 65:20; 214:5
ourselves 89:19
out 11:9; 13:24; 14:10, 19; 15:2; 17:18; 22:17; 24:14; 25:16; 27:25; 28:8; 31:15; 34:8, 16; 35:6, 23; 36:8; 38:1, 25; 41:7; 45:6, 10, 18; 51:1, 1, 3; 71:10, 11; 73:14, 15; 80:17; 84:17; 85:3; 87:18; 91:4; 101:25; 103:16; 117:11; 127:3; 133:17, 23, 24; 136:22; 137:1; 138:23; 139:3; 143:19; 144:11, 14, 20; 146:23; 157:21; 180:3; 190:8, 16; 203:5; 212:7; 213:25; 230:11; 231:7; 232:13; 238:13; 239:1; 240:12
outline 22:5; 24:25;

26:24; 120:7
outlined 39:24; 114:3; 115:15; 187:12
outlines 23:8
output 67:1; 70:13; 85:14
outset 186:7
outside 56:18; 58:13; 71:3; 85:19; 104:1; 120:25; 130:14, 17; 131:25
over 9:1; 33:4, 13; 47:22; 71:25; 79:9, 13; 83:10; 88:6; 110:21; 139:1; 141:5; 143:4, 16; 151:18; 186:8; 198:10, 11; 219:5, 22; 238:3
overall 209:16
overcomes 240:23
overflows 147:6; 151:21
oversight 37:6; 38:15; 87:22; 89:14; 109:24
oversimplifications 71:16
overview 162:16
own 5:8; 29:19; 33:20; 123:23; 169:11, 21; 191:11, 16; 198:6; 221:15

P

p-53 31:18
P-T 34:22
p.m 141:8; 241:16
packaging 97:2, 23; 98:1
page 23:8; 51:17; 126:23
pains 135:17
pan 231:7
panel 40:21; 112:19
paper 17:13; 18:15; 118:1; 189:13
paradigm 47:1; 49:25; 60:14; 76:12, 23; 78:8; 121:12; 122:13; 136:17
paragraph 149:24
parallel 44:9, 17; 136:1; 200:2
parameter 46:11, 23; 136:8
parameters 57:16; 85:19; 135:16, 19; 164:19
parametric 67:9, 12
Parklawn 7:2
part 6:8; 8:12; 18:8; 38:18; 42:12; 45:16; 52:22; 53:19; 55:10; 57:2; 63:24; 78:24; 83:6, 6, 10, 12, 15; 84:5, 9; 96:12; 108:15; 109:17; 110:14; 114:10; 119:17; 125:13, 13; 127:7; 132:18, 22; 162:22; 163:1, 3; 184:12; 190:25; 198:24; 199:4; 212:18, 19; 222:15; 223:2, 6, 7; 224:11
partial 45:3

partially 147:12
participants 7:19, 20, 22; 51:20; 52:1; 110:22
participate 6:21; 11:8; 19:10; 29:21; 37:23; 208:17
participated 10:19; 113:5
participating 7:13; 27:20
participation 8:11; 53:16
particle 69:19, 21; 105:5; 125:25; 171:16; 218:19
particles 207:11; 240:7
particular 6:12; 8:20, 23; 27:19; 28:6; 32:22; 37:16; 148:11; 149:6, 21, 25; 150:11; 204:18, 19; 223:15; 226:15
particularly 25:25; 26:2, 12; 59:18; 74:6; 191:17; 194:14; 218:8; 227:25; 228:14
partnership 78:21; 238:10; 241:11
parts 31:9; 51:10; 162:22
party 191:18
pass 66:13; 103:3; 115:4, 4; 136:20; 218:18
pass/fail 49:3
passed 22:17
passes 114:15, 16; 206:15
passing 119:6
password 168:24; 202:18
past 20:1; 72:2, 22; 74:11; 143:4; 153:3; 205:25; 230:4
PAT 5:19; 12:11, 12; 17:25; 40:25; 41:9; 42:10, 12, 18, 19; 43:20, 21, 44:3, 7, 9, 16, 21; 45:2, 13, 14, 15, 21, 23, 24; 46:11, 15, 17; 48:18; 50:16, 24; 51:2, 5; 52:3, 6, 6, 15, 16, 23, 23; 53:12, 15, 20; 54:1, 11, 12, 16, 20, 21; 55:5, 15, 18, 19; 56:5, 10, 14, 16; 57:2, 6, 11; 58:15; 60:13; 61:11, 15, 20; 62:18; 63:12, 20, 25; 64:20; 70:19, 24; 71:18; 74:9, 17, 24; 75:4, 11; 77:2, 8; 79:21; 80:25; 81:12; 82:11, 17; 83:18; 84:10, 19; 85:4; 86:21; 114:10; 121:25; 122:12, 22; 123:15; 124:3; 125:4, 16, 20; 126:12; 129:2, 3; 130:9; 137:4; 197:10; 239:14; 240:4
PAT-a 52:10
patent 148:24, 25; 149:3, 6, 10, 14, 17, 17, 21, 25; 150:1, 5, 13, 23, 24, 25; 151:1, 8, 10, 11, 14, 15; 222:21; 223:11
patents 168:17; 169:11;

222:18; 225:4
pathways 191:1, 24
patient 163:14
patients 203:21
45:11; 51:22, 24
pattern 156:1; 190:8
patterns 156:20; 195:3
peaks 158:18, 21
pediatric 148:7, 21
peer 112:16, 17, 19;
113:2, 3, 4; 120:20, 25
pending 149:18, 19
people 8:19, 23; 15:11;
36:7; 66:8, 10; 74:12;
82:16; 84:21; 102:16;
106:20; 126:21; 127:1;
134:14, 24; 143:13;
146:23; 179:7; 191:20
peptide 92:25
per 32:15; 75:3; 95:8;
131:8; 132:14; 135:2;
137:15; 235:5
percent 44:25; 45:1;
62:8, 9; 95:9; 103:11;
116:3; 117:15; 118:10, 12,
17, 19, 22, 24; 119:8, 8,
11, 20; 127:14, 23; 130:16;
140:6, 10, 13; 159:5;
199:18, 19; 200:6; 206:4
percentage 159:7
perception 121:23
perceptions 121:5
127:43; 132:9
perfectly 33:8
performance 46:4, 23;
47:13; 49:19; 50:7; 51:21;
57:22; 58:8, 8; 60:17, 18;
61:5; 62:16; 90:6; 96:15,
19; 105:17, 19; 106:15;
198:22; 219:23
performed 44:11; 132:6
performing 42:23; 51:17;
87:15; 119:16, 18
perhaps 67:3; 74:16;
85:12; 87:23; 134:22;
183:18; 187:5; 190:18;
193:13; 195:1; 223:12
period 21:21; 132:6;
150:3, 4, 9
periodic 211:13
permanent 35:18, 20
permeability 164:14, 18,
25; 177:1, 6, 9, 16, 19;
178:4, 14, 15, 20
permeability--from
164:18
permeable 165:3, 4, 5, 6
permission 53:1
permits 6:21
permitting 53:11
112:35, 7, 8; 112:15;
113:22
personal 40:15, 20
personally 64:5
perspective 59:25; 60:7;

67:17, 20; 69:15; 76:10;
113:16; 115:11; 123:4, 5;
132:19, 25; 133:4
pestle 140:5
PET 21:10
petition 103:17; 147:7, 9,
19
petitions 104:4
petrochemical 66:3;
69:1; 71:12
petrochemicals 67:14
petroleum 41:18; 68:18
PF 123:21
Pfizer 114:20; 125:19;
130:11
pH's 221:9; 222:9
Ph.D 143:12
pharm 38:14
pharm-tox 12:6, 18
pharm/tox 28:12, 22;
29:2, 7, 18; 30:15, 17;
31:5; 32:17, 25; 33:16;
35:4, 12; 36:6, 19; 37:9,
22; 38:13
PhARMA 56:21; 83:8
Pharmaceutical 4:10,
12; 5:1, 8, 12; 6:5, 18; 8:4;
9:1; 21:5; 27:12; 29:22;
30:6; 32:23; 34:22; 35:3;
38:11; 40:19, 22; 41:11,
19, 24; 43:8, 24; 58:14;
61:13; 66:1; 68:14; 78:23;
80:11, 18; 82:3; 104:1;
144:19; 153:8, 14, 22;
154:25; 155:11; 156:25;
176:10; 203:18, 23; 204:3;
206:18, 21
pharmaceuticals 58:6,
12; 68:19
pharmaceutics 4:21
pharmacist 55:23;
143:11
pharmacists 54:14
pharmacogenomics
31:8
pharmacology 5:22;
12:6, 7; 15:24; 27:11, 22;
28:7, 23; 29:3, 9, 15;
30:24; 32:9, 18; 41:13, 15;
124:14
pharmacology/toxico-
logy 28:9; 30:7, 20
Pharmacopeia 74:8
Pharmacy 4:22; 54:10;
55:21
PharmSciTech 124:11
phase 60:22; 193:9, 16;
231:4
phases 20:25; 21:2;
192:22; 193:15; 194:13,
22, 23
phasing 77:22
Philadelphia 55:9
phone 142:23; 152:15,
17; 201:20; 202:2, 9, 11;
209:7

phone-ins 141:1
phrase 180:2
physical 49:14, 22; 61:7;
68:15; 74:6; 81:6, 9; 93:20,
24; 96:9, 13, 17; 105:3, 4;
107:16; 108:7; 146:10;
156:23; 157:1; 171:15, 18;
204:20; 220:25; 226:2
physicochemical 229:4
pick 114:18; 124:24;
131:14; 138:15; 159:20;
235:24
picked 107:6; 132:1;
159:24; 233:19
picking 108:1; 159:4
picks 159:6
picture 38:16; 98:25;
158:10; 168:5
pilot 42:15, 16; 43:1
pivotal 33:14
place 23:25; 25:14;
34:20; 36:13
placed 98:11
places 109:21; 127:14,
15
plagued 65:6
plagues 65:7
plan 14:16; 24:15; 25:10;
48:21; 116:13; 120:9;
125:14; 131:12; 135:7;
149:10
planned 54:18
planning 75:18; 83:25
plant 42:16; 43:1
plants 42:16
plasma 218:10
platform 45:14
play 110:11; 197:13;
238:13
played 33:14
playing 187:6
Please 53:4; 137:10;
152:25; 169:2; 179:3;
181:16; 201:22; 202:13;
209:25; 219:1; 237:5
pleased 20:17; 27:24;
53:14; 71:9; 205:25
pleasure 19:18; 153:15
plot 115:1
plus 123:22; 129:20, 24
pocket 201:10
point 35:16; 46:15; 65:9,
16; 69:7; 74:18; 78:6; 80:2;
84:4; 107:3, 9; 111:1;
116:14, 14; 117:22;
125:18; 127:8; 130:4;
134:20; 135:6, 22; 136:10,
21; 138:4; 139:7; 157:1,
16; 158:13; 159:1; 169:14;
170:6; 173:2, 4, 6; 189:7,
12, 18, 21; 190:5, 11;
197:3; 211:15; 218:13, 14;
225:3; 230:22; 234:20;
235:12; 238:15; 239:1;
241:4

pointed 31:15; 34:8, 16;
35:23; 80:17
points 40:10; 52:4; 57:18;
60:25; 65:19, 22; 67:2;
80:6; 82:8; 116:16, 25;
131:21; 137:21; 176:16;
190:5; 197:20; 214:11
policies 13:11; 14:8
policy 28:25; 29:1; 35:1;
54:12; 55:18
political 126:20; 225:3,
21
polyfactorial 67:8
polymorph 105:6; 143:7,
16; 150:11; 155:16;
158:17; 159:13; 178:6;
182:19; 185:21; 187:14;
190:23; 192:12; 199:9;
209:10, 22; 210:12, 12, 14,
15; 213:4, 23, 23; 214:3,
12, 16, 18, 24; 215:13;
216:25; 218:16; 222:22;
226:15, 16, 18; 227:14, 19;
229:8; 234:24; 235:5, 24
polymorphic 147:21;
148:9, 24; 149:11; 155:24;
156:12, 16, 18; 157:6, 8,
12; 158:1, 8, 18, 19, 19,
20, 21, 22, 22, 25; 159:2,
8, 19; 160:23; 161:2, 3, 6,
9, 13; 162:6, 22, 24, 25;
163:1, 4; 165:22, 23;
166:1, 25; 167:7, 15, 24;
168:12, 15, 16; 169:9, 10;
170:8, 11, 12; 171:7;
172:5, 13, 18, 20, 22, 24,
25; 173:3, 8, 9, 12, 22;
174:2, 11; 175:3, 13, 22;
176:5, 9; 177:25; 178:5;
179:17, 20, 24; 180:15;
185:9; 190:12, 19; 204:18,
19; 209:20; 212:11; 216:3,
3, 6, 14; 219:12, 24; 220:6,
7, 14; 222:20; 223:10, 24;
225:25; 230:10, 16;
233:18; 234:2; 235:7, 17;
240:7
polymorphism 10:21;
17:7, 8, 13; 74:4; 141:5;
142:4, 8, 17, 21; 146:10;
153:9, 17, 21, 22, 24;
155:18; 156:9; 159:8, 12;
161:20; 162:1, 18; 168:8;
169:7; 170:4; 176:9, 12,
18; 181:7; 183:17; 184:19;
202:25; 203:12; 206:8;
217:16, 23; 226:6; 230:6;
236:6, 21; 239:17, 20;
240:6
polymorphous 184:3
polymorphs 143:8, 22;
146:16, 22, 24; 147:1, 17;
148:1; 151:18; 152:5, 11;
154:23; 155:12; 156:16,
24; 161:22; 166:23; 167:4,
5, 19; 170:3; 176:22;
177:5, 15, 17; 178:11, 25;
179:7; 180:4; 182:5;
187:25; 188:15; 189:25;

191:5, 7; 192:16; 199:1;
207:1, 7, 12; 210:2;
211:24; 216:23; 218:5, 9,
13; 219:15; 221:10, 12;
222:3; 225:1; 226:2, 17,
22; 232:23; 233:14
polymorphs--do 225:23
polymorphs--what's
143:4
polyvariate 44:3
poor 125:23
poorly 47:12; 159:20;
160:23; 165:4, 5, 6, 6;
215:23, 24; 233:24; 234:5
population 117:21
portions 69:21
portray 151:16
pose 118:2; 119:25
posed 76:13; 185:20
poses 118:25
position 45:9; 123:25;
143:14; 148:1
positively 73:7
possibilities 229:4, 6
possibility 58:3; 62:13;
179:19; 207:9; 212:25;
215:19, 20; 216:2, 4; 220:9
possibility--number
179:15
possibility--we 220:2
possible 44:22; 62:15;
71:5; 99:21; 148:9; 177:4,
8, 18; 195:19; 198:16;
201:20; 210:10, 17, 19;
211:5; 215:8, 21; 216:10;
221:25; 226:21
possibly 207:12
post 135:25
potential 7:5, 7, 9; 34:25;
48:4; 115:17; 118:2, 23;
121:22; 160:14; 164:4;
174:23; 176:4; 196:5;
200:23; 216:9; 220:9, 14;
233:13; 234:6, 7, 8
potentially 157:6, 10, 13;
161:8, 12, 14, 15; 215:22
pound 145:2, 2, 4
pounds 145:3
powder 116:24; 124:15;
127:22; 172:6; 189:14;
190:7; 192:24; 193:2;
194:9; 195:3; 199:14, 25
powdered 144:20, 22;
145:1, 4, 13
power 43:22; 137:19;
138:1
PQRI 5:16; 10:5, 8; 14:24;
15:2; 16:23; 17:2, 5;
111:22; 112:20, 20; 113:6,
21; 114:1, 7; 115:10, 16;
116:12, 13, 15, 16, 19;
117:19; 119:5, 14, 21;
120:8; 121:15; 122:5;
123:18; 126:6
PQRI's 112:5
practical 58:12; 213:17

practically 71:25
practice 34:25; 37:1; 134:21
practices 13:10; 14:8; 61:25
pragmatic 64:7
PRCC 34:6
preamble 146:1
precedent 184:12
preclinical 21:2
preclude 6:9
predecessor 27:25; 38:17
predict 20:23; 58:8; 60:18; 79:10, 17; 225:25; 227:19, 21
predictable 79:17; 80:12; 97:15, 17
predicting 69:11
prediction 195:3
predictions 49:5
predictors 227:14, 19
predicts 230:14
preface 185:4
prefer 169:12
preference 40:20
prepare 35:25; 220:7
Prescott 113:21
prescribe 146:3
present 16:10; 18:17; 22:9; 34:11; 91:15; 142:20; 200:16; 206:11; 211:21; 212:9; 218:25; 219:5
presentation 33:7; 51:8; 116:21; 143:3; 153:20; 176:8; 177:13; 185:7; 190:2; 202:15; 206:14
presentations 54:17; 142:19; 238:24
presented 22:5, 7; 112:11; 125:19; 202:20; 230:24
president 5:9, 11
press 13:8; 78:1
pretty 25:18; 34:16; 39:12; 40:13; 42:1; 74:2; 151:3; 189:11; 199:25; 233:5; 234:17
prevalent 61:23; 133:21; 134:1; 195:4
previous 7:24; 162:4; 163:12; 196:2
previously 74:19; 174:12; 175:5; 197:17; 209:24; 214:14
price 193:3
prices 80:22
Prilosec 148:8, 16
primarily 21:12
primary 115:14
principle 80:8; 89:20; 91:18; 92:1; 94:14, 22; 165:18; 170:23; 175:2;

189:16
principles 61:5, 9, 11; 130:22; 161:25
priorities 31:4; 63:5
prioritize 33:20
prioritizing 37:3
priority 63:17
privilege 89:16; 153:16
privy 237:17
pro-drug 182:17
proactive 241:10
probability 62:14; 63:8, 11, 16; 89:21, 23, 24; 90:15; 91:19, 24; 94:15
probable 62:17; 210:11, 17
probably 12:4, 13; 29:25; 31:11; 42:11; 44:15; 45:23; 47:25; 61:10; 65:7; 75:2; 108:24; 132:10; 133:11; 136:6; 144:13; 145:5, 7; 178:17; 181:24; 228:5; 234:3
probing 227:11
problem 63:12; 76:14; 103:1; 113:22; 114:15, 17; 115:5, 6, 20; 121:16; 125:22; 133:20; 134:1; 138:14; 143:4; 147:5, 6; 207:18; 217:24; 225:23; 227:1
problem-right?—what 226:8
problematic 138:11; 193:23
problems 25:9; 50:25; 76:6; 108:2; 114:23; 115:18; 118:2; 139:13; 151:17; 199:13; 201:3; 219:7
procedural 25:13
procedure 68:24; 78:9; 134:7
procedures 30:3; 32:11; 45:22; 50:20, 21; 70:5; 140:10; 179:1, 6; 211:22; 240:1
proceed 53:4; 68:21; 120:17; 186:16; 201:22; 202:13
PROCEEDINGS 4:1; 141:7; 241:16
process 9:11, 18; 11:11; 16:11; 22:15; 33:12; 36:11; 41:3; 42:6, 9, 9; 43:4, 5, 8, 10, 14, 16, 25; 44:1, 24; 45:3, 7, 8, 16; 46:1, 3, 4, 6, 9, 15, 17, 19; 47:1, 4, 12, 20, 21, 23; 48:3, 6, 14, 19, 23; 49:11, 13, 17, 20, 24; 50:3, 6; 51:14; 52:4; 54:4, 8; 56:1; 57:16, 18, 19; 58:5, 12; 60:9, 25; 65:5, 10, 12; 66:13, 19, 21; 67:5, 11; 68:10; 69:19; 70:19, 20, 22; 71:4, 13; 72:21; 73:8,

16; 74:22; 76:18; 77:3, 5, 6, 7, 12, 15, 17, 24; 78:7; 79:5, 24; 81:11; 85:7, 8, 11, 18; 88:17; 108:22; 109:15; 112:19; 113:3, 3; 114:3; 117:2; 119:4; 120:25; 123:12; 124:5; 127:12; 129:13, 13; 130:6, 7; 132:12; 135:13, 15, 22; 136:8; 139:10; 161:8; 168:4; 172:12; 175:7; 179:24; 191:11; 199:10; 200:15, 23; 227:5, 9; 231:17, 19; 232:14; 236:15
process-based 47:3
processes 42:17; 46:21, 24; 47:7, 8; 48:11, 17; 59:21; 61:4; 64:1; 67:22; 73:24; 74:1; 77:20; 79:14; 122:16; 161:4, 12; 163:24; 186:14
processing 18:13, 19; 57:17; 71:12; 81:24; 85:24; 197:23; 198:10; 201:1, 3; 228:13
procession 46:22
produce 215:11; 232:4
produced 26:13
produces 224:18
producing 78:11; 117:4
product 6:12; 7:25; 30:15; 38:5; 42:9; 46:1, 4, 11; 47:19, 22; 49:13, 16, 19, 20; 50:2, 4, 7, 10; 58:7; 59:10, 13; 60:17, 18; 64:22; 73:2, 4; 75:6; 77:4, 5, 7, 9, 13, 15, 25; 78:12; 79:19; 87:16, 16, 19; 89:22; 90:1, 6; 91:1, 15; 93:23; 94:2, 5, 7, 16, 23; 95:16, 19; 96:1, 3, 15, 15, 19, 20, 25; 97:1, 1, 4, 6, 8, 13, 15, 17, 19, 22; 98:2, 8, 10, 11, 13, 15; 101:3; 102:23; 103:3, 6; 105:17, 19; 106:4; 114:14, 19; 131:21; 132:8; 136:9; 138:23; 145:8, 22, 23; 147:9, 13, 15; 148:25; 149:12; 152:1; 163:3; 167:2, 8; 169:24, 25; 170:5; 173:23; 174:13; 175:5, 12, 17; 182:2, 3; 193:9, 15, 17; 194:11, 13, 23; 196:3; 197:17; 199:16; 204:4, 21, 21, 22; 206:15; 209:23; 212:6; 213:6; 214:14; 215:9, 12; 217:2; 219:11, 22; 220:7; 222:24; 223:3, 25; 224:17, 25; 226:20; 228:8, 23; 231:2; 232:4, 6; 233:15, 15, 18
product-based 47:2
production 45:1; 85:23; 112:7; 114:24; 115:24; 116:5; 118:3, 5; 127:22; 128:8, 17
products 7:18; 10:15, 17;

11:12; 13:24; 14:9, 9, 17, 19, 19, 22; 43:11; 48:16; 17; 49:9; 72:23, 25; 74:19, 25; 75:1, 8; 76:3, 7, 14, 15; 78:2; 87:18; 89:6, 7; 90:13, 16; 91:23; 94:18, 21; 97:24; 99:16; 100:3; 107:14; 118:14; 119:5; 124:14; 134:22; 146:24; 147:2; 150:8; 161:6; 162:19; 163:4, 7; 166:4, 16, 18; 169:17, 18; 172:10; 173:21; 174:3; 179:14, 17; 199:1; 203:17; 204:16; 210:2; 216:5; 217:8; 231:2; 233:21
products—gastric 164:5
Prof 188:11
professor 4:18, 20, 25; 5:3
profile 97:17; 188:6; 203:20, 25; 204:12
profile—l 229:19
profiles 190:20; 191:13; 197:2; 217:5, 9
program 42:11; 51:12, 13, 14, 20; 53:24; 55:11, 17; 56:7, 10; 98:12; 192:9
programs 38:7
progress 16:18; 53:8, 12; 54:16; 69:7, 14; 175:9; 187:11
progressing 19:25
project 10:5; 87:12, 14; 88:17; 90:17
projecting 217:12
projects 192:7, 8
promise 21:14; 236:23
promising 123:17
promoted 195:6
proof 48:9
propensity 210:21; 211:1
proper 186:14
property 195:15
properties 74:7; 96:13; 105:3; 146:16, 25; 153:23; 156:23, 25; 157:5, 13; 171:15, 19; 176:10
property 93:24; 96:9; 105:5
proposal 35:5; 64:8; 106:18; 111:22; 112:5, 5, 10, 11, 13; 113:6, 9, 23; 116:13, 18; 118:7; 119:9; 120:8; 122:6; 126:6; 131:15; 132:7; 136:4; 138:10
proposals 17:1
propose 86:23; 89:2; 102:4, 16; 103:25; 104:2; 140:24; 208:5
proposed 32:16; 42:10; 51:13; 76:20; 87:17; 101:23; 104:3; 117:19; 118:15; 119:16; 123:19; 124:3; 152:1; 185:20;

187:13; 209:9
proposes 119:21
protection 212:10; 219:4
protein 99:13
proteomics 26:3; 31:8
protocol 26:3; 43:17
protocols 33:22; 48:15
provide 9:12, 13; 29:15; 30:12, 16, 23; 32:4; 64:2; 75:24; 172:7; 175:12, 25; 219:12, 23; 220:5; 225:13
provided 10:12; 25:12; 65:23; 110:19; 112:19; 148:2; 208:20; 232:3
providing 179:7
proving 138:25
Prozac 148:20, 22; 149:1
prudent 7:4
PTCC 32:7, 24; 33:13; 34:4, 8, 20; 36:14, 21
public 17:6; 86:16; 88:24; 89:5; 103:23; 111:13; 120:12; 140:21, 24; 148:2, 12, 13, 13; 238:8
publication 56:20; 113:20; 124:10
publications 54:17; 69:10
publicly 23:14
publish 89:4; 120:12
published 69:9; 113:21; 123:20; 199:21; 205:12
Puerto 5:6
purchaser 86:2
Purdue 54:7; 142:22; 185:17; 200:20
pure 155:13; 224:14, 15
purely 214:9
purier 191:2
purity 144:12; 185:14; 190:20
purpose 30:2; 50:17; 185:14
purposes 45:12
pursue 28:5; 29:23
push 131:5
put 20:6; 22:13; 54:12; 63:6; 70:13, 16; 73:12; 77:8; 99:24; 108:16; 109:20; 114:21; 138:23; 144:24
putting 23:16; 73:10; 136:4; 138:10
pyramid 60:20; 61:3

Q

Q 215:10
Q2:a 50:19
Q6A 155:15, 19; 161:25; 162:3, 12, 17, 20; 167:23; 219:21
QC/QA 48:22

qualification 134:12
 qualified 101:22
 qualifiers 95:5, 7
 quiffies 98:15
 quiffy 105:6; 132:20;
 228:23
 quality 41:23; 42:5; 46:5,
 23, 25; 50:4; 57:22; 58:16;
 59:3, 10, 12, 12, 25; 60:20;
 62:2, 6, 16, 19; 63:7;
 64:23; 65:15; 72:22;
 87:16; 89:3; 121:11, 11;
 122:3, 14; 124:14; 129:14;
 132:8, 22; 134:16, 23;
 135:13; 144:13; 147:2;
 161:5; 169:24; 216:25;
 232:5
 quantifiable 80:11
 quantifying 218:12
 quantitation 192:21;
 193:14; 194:13; 195:23
 quantitative 70:1
 quantities 47:4
 quasi-scientist 143:11
 question-what 118:25
 quick 100:18; 110:5;
 189:18; 194:10; 237:3
 quickly 16:5; 178:18;
 196:15
 quiet 40:13
 quinoline 157:19
 27:24; 53:21; 71:8;
 74:17; 117:10;
 145:14; 150:19; 155:10;
 181:14; 192:23; 193:8, 25;
 215:12; 220:21; 236:6;
 238:24
 quotations 116:20
 quoted 203:16

R

R&D 5:12; 42:15, 16, 25
 radar 36:24
 radiopharmaceutical
 92:24
 raise 233:8; 241:9
 raised 80:16; 92:2, 17;
 95:1; 111:1; 112:22;
 114:11; 116:1; 117:8;
 121:7; 207:3; 210:21;
 211:21; 218:20
 raising 213:21
 Raj 55:20
 Ramada 20:2, 7
 Raman 156:3; 194:4
 rambling 238:23
 random 138:8, 17
 71:1; 77:10;
 5; 171:22; 173:4, 7;
 177:18; 227:18
 ranged 140:5
 ranges 69:20; 173:2
 ranitidine 178:4

rapid 52:17; 122:9
 rare 101:19; 176:5; 197:5;
 216:7; 233:16
 rate 129:9; 160:6; 163:25;
 164:7, 8, 8, 13, 15; 205:13,
 15; 206:8; 224:6
 rather 41:13; 61:1; 69:25;
 77:6, 13; 81:14; 85:9;
 106:19, 24; 109:22; 136:8;
 138:7; 180:4; 187:19, 20;
 229:3, 5
 ratio 95:13, 13; 155:3, 6,
 7; 175:13, 23; 182:2;
 218:16; 219:13, 24; 220:6
 rational 84:11; 187:3
 rationale 49:2; 135:8;
 189:4; 224:4
 raw 46:24; 57:14, 15;
 74:1, 10; 81:2, 5, 15, 19;
 134:11; 191:16; 197:1;
 227:9
 RDS 118:25
 reach 61:9; 163:22
 reaching 83:23
 read 5:25; 235:2
 readily 116:2; 118:8, 12,
 14, 24; 127:23; 214:5;
 239:6
 reading 209:17
 readout 110:19
 ready 20:9; 21:25; 22:10;
 53:23; 127:3, 3, 8; 142:5;
 208:25
 reaffirm 149:14
 real 48:11; 57:20; 72:23;
 86:10; 110:5; 186:8;
 224:25
 real-time 48:22; 98:9;
 100:20
 realistic 89:6; 192:18
 reality 78:25; 122:4;
 216:10; 226:1; 230:14
 realize 198:15; 229:23
 realized 27:21; 236:17
 really 8:9, 17, 24; 9:19;
 11:3, 25; 13:4, 5; 15:17,
 20; 24:7; 25:20; 35:5, 16;
 36:12, 15; 37:20; 42:4;
 58:15; 65:10, 12; 69:23;
 70:16; 78:25; 80:25;
 82:23; 83:2, 16, 20; 99:3,
 23, 25; 104:19; 105:1;
 107:19, 19; 111:6; 134:23;
 137:18; 138:24; 139:9, 13,
 19; 148:9; 155:10; 176:17;
 179:2; 186:12, 13; 187:6;
 188:13; 191:13; 192:19,
 23; 193:4; 194:7; 196:13,
 16; 201:1; 202:20; 206:13;
 217:3, 20; 221:8; 223:1;
 227:17; 229:24; 230:4;
 238:4; 240:2
 reason 13:5; 59:22; 60:1;
 81:20; 107:6; 109:19;
 189:12; 227:6
 reasonable 40:7; 187:8;
 192:4, 10; 213:1

reasons 60:11; 70:3;
 109:25; 193:10; 220:11
 recall 20:20; 87:14;
 110:11
 recalls 110:14
 receive 167:25
 received 18:14; 25:5;
 56:19; 88:14; 114:6;
 157:18
 receives 169:4
 receiving 89:9
 recent 124:10
 recently 41:7; 56:19;
 69:9
 receptor 207:11
 recess 86:25; 208:10
 recessed 141:8; 241:17
 rechecking 134:12
 recipes 144:23
 recite 7:4
 recognize 47:23; 71:9;
 145:12, 14, 15
 recombinant 90:12
 recommend 33:15
 recommendation 26:14,
 14; 66:12; 121:6; 137:17,
 20
 recommendations 9:3;
 10:8, 16; 14:24; 15:1, 4,
 16; 17:4; 19:23; 22:1;
 32:21; 34:6, 19; 40:5;
 50:15; 51:11; 112:14
 recommended 44:6;
 119:5; 175:24; 237:16
 reconstituted 12:13
 reconvene 86:24; 141:8
 record 6:8; 7:11, 21;
 148:2
 records 52:15; 64:14
 recovery 199:19
 recruiting 54:14
 recrystallized 158:9, 13;
 191:7
 reduce 62:21, 25; 88:1
 reduced 63:3; 87:22
 reducing 63:15
 reduction 72:19
 redundancies 45:23;
 134:15
 redundancy 44:14
 redundant 134:17
 REEDY 4:23, 23; 5:25; 6:3
 refer 64:9; 155:12
 reference 145:20, 21;
 152:3; 169:18, 25; 174:22;
 205:15; 232:5
 referring 181:23, 25;
 227:12
 refers 51:3; 233:15
 refined 62:11
 refinement 43:4
 reflect 48:21; 194:6
 reflected 176:24

reflecting 20:1
 reflection 117:1
 reflective 235:10
 reflects 188:11
 reformulating 198:8
 regard 32:3; 93:20; 171:8
 Regarding 32:15; 34:23;
 185:3
 regardless 101:5;
 131:14; 135:7; 218:3
 regular 182:18
 regularly 151:4
 regulate 14:9
 regulated 7:15; 72:20
 regulates 73:18
 regulation 73:4; 83:7;
 145:19, 25
 regulations 151:12;
 204:14
 regulators 73:18; 238:11
 regulatory 5:15; 31:25;
 34:25; 37:10; 45:11;
 53:16; 61:14; 67:20; 68:7;
 69:15; 72:20; 75:6; 123:5,
 10; 136:17; 142:3, 7, 15;
 155:18; 187:3; 203:4;
 207:20; 209:12; 228:6
 reinforce 69:17
 reinforces 239:21
 reinvent 64:11
 reiterate 199:7
 reject 130:19
 rejection 45:2
 relatable 194:20
 relate 58:7; 61:4; 64:22;
 115:24, 25; 125:25; 195:8;
 198:21; 235:4
 related 6:3; 30:8; 32:9;
 47:21; 52:21; 55:15;
 64:12; 74:16; 142:3, 7, 16;
 203:11
 relates 59:5; 215:5
 relating 93:5
 relationship 44:7
 Relationships 49:21;
 50:6
 relative 100:12; 118:9,
 11, 18
 relatively 45:24; 71:8;
 174:17; 189:1; 193:2, 9;
 196:12; 199:11, 16
 release 44:11; 45:3, 20;
 49:13, 23; 50:9, 11, 13;
 90:7, 8; 109:16; 129:17;
 131:21; 132:12; 165:12
 released 76:4; 180:19
 releasing 49:9; 83:8
 relevant 46:2; 52:10;
 57:5; 156:24; 187:5;
 203:13
 reluctant 191:20
 rely 180:4, 5
 remedies 103:13
 remember 16:15; 118:7

reminds 134:23
 reorganization 39:22
 rep 39:11
 repeat 153:7; 169:3;
 182:7; 219:1
 rephrase 234:19
 replace 79:20; 180:2
 replacing 15:11
 replicate 10:11
 replied 150:12, 25
 report 16:8; 17:2; 20:11;
 22:5, 8; 26:13, 22, 25;
 28:12; 38:22, 23; 53:12;
 88:3; 111:14; 112:24;
 115:16; 239:15
 reported 6:18; 95:24, 24;
 96:12, 18
 reports 20:10, 15; 22:1,
 10; 24:21; 28:24; 59:18
 represent 55:7; 186:8
 representation 36:17;
 69:2
 representative 35:9;
 114:11; 117:12, 21; 126:9;
 128:23; 129:19; 132:4, 14;
 133:10; 195:20; 240:10
 representatives 7:14
 represented 55:9
 representing 117:15
 reproduce 195:9
 reproduced 197:24
 reproducible 197:2
 reproducibly 169:16, 23
 reproductive 29:12
 request 6:25; 149:3;
 192:10, 10
 requested 147:9; 149:5
 require 51:22; 66:22;
 98:1; 132:20; 147:14;
 190:3
 required 151:25; 204:20
 requirement 75:12;
 198:17; 212:18
 requirements 80:21;
 104:23; 126:7, 13; 129:15;
 132:20; 215:12, 15
 requiring 45:7; 81:21;
 122:20
 Research 12:17; 29:4, 7;
 30:6, 20; 31:1, 4; 32:5, 7;
 33:1, 13, 17, 18, 20; 34:4,
 14; 36:14, 18, 23; 37:6, 10,
 14, 15, 25; 38:2, 5, 5, 6;
 39:4, 6; 45:15; 50:22;
 54:16; 76:1; 180:3; 200:20
 resolution 45:6; 125:23,
 24
 resolved 12:21
 resolving 44:20
 resonance 156:5
 resource 156:14; 197:7;
 199:11
 resources 63:6; 109:20,
 21; 156:13; 190:4; 193:6
 respect 6:7; 7:22; 69:5;

75:10; 84:4; 87:22; 89:3;
90:24; 115:23; 122:17;
125:1, 8, 11; 160:21, 23;
179:17, 20; 185:14;
187:16; 196:24; 198:14;
209:19; 218:22; 231:20;
239:16, 17
respects 71:8
respond 47:21; 78:5;
80:6; 241:8
responded 73:6
responding 50:3
response 27:7; 40:12;
119:14; 140:16; 147:25;
148:1; 195:20; 201:16;
207:2, 24; 241:10
response-you 116:12
responsibilities 30:3, 22
responsibility 55:2;
59:9; 84:9; 120:10
responsible 28:25;
36:20; 37:3; 55:14
rest 18:9; 19:9; 33:4;
35:17; 132:1; 136:25
rested 142:4
restricted 186:24
result 29:24; 45:18; 60:4;
63:17; 135:14, 22; 137:21;
161:8, 12; 216:22
resulting 121:5
results 45:12, 13; 117:5;
185:8; 215:9
resume 241:17
reticence 72:23
retrospectively 48:18,
20
return 204:7
revalidates 48:24
revealing 180:11; 190:2
revert 119:11
review 10:22; 13:12;
14:5; 16:15; 18:15; 24:23;
49:23; 51:17; 54:11; 55:2,
5, 13, 20; 59:13, 16; 84:3;
87:3, 6, 11; 107:18;
108:22; 109:13, 21;
112:16, 19; 113:3, 3, 4;
120:9, 20, 22, 25; 121:4;
148:14, 15, 16; 189:4;
231:19; 239:17; 240:15
reviewed 26:3; 112:17
reviewer 108:1
reviewers 51:15, 16;
55:11; 59:19; 88:11;
107:17; 120:22; 168:4
reviews 87:15; 112:18
revise 104:8
revised 14:13
revising 14:11
revisions 25:7
revisit 16:21
rich 52:24
richer 44:5
Richmond 151:6
Rico 5:6

rid 186:17
right 4:7; 8:14; 12:4;
15:10; 20:6; 34:17; 60:14;
64:1; 67:14; 74:1; 90:14;
91:11; 100:8; 101:7, 10,
20; 103:7; 105:1; 106:18;
108:7; 123:1; 127:16;
128:12, 21; 131:7, 12, 23;
134:3, 9, 21; 138:8;
152:20; 171:5; 177:1;
182:11, 14; 202:5; 203:5;
209:17; 216:19; 217:16;
231:14; 239:12, 24
rigid 236:9
ring 185:16
risk 48:4, 7; 58:21; 61:18,
19, 20, 21, 22; 62:12, 21,
21, 23, 25; 63:3, 5, 14, 15,
17, 18; 87:15, 16, 20, 21;
88:21; 89:3, 14, 24, 25;
90:3, 5, 8, 9, 11, 13, 16, 20;
91:17; 92:13; 93:2, 14, 16;
94:6, 8, 24; 95:17; 96:2, 4,
16, 21; 97:7, 20; 98:3, 14,
16; 100:15; 101:21;
102:13; 103:12, 13;
105:15, 15; 106:22; 107:9,
14, 19; 108:2, 17; 109:13,
14, 14, 17, 18, 23, 25;
117:4; 123:6, 9; 125:8;
129:2; 171:8, 9; 172:2;
187:3; 231:5
risk-based 10:22; 13:9,
16:15; 48:5; 59:5; 60:24;
87:3, 6, 11; 239:17; 240:16
risky 63:9
ritualistic 72:9
road 14:1, 23; 86:10;
199:13
road-if 230:19
Rob 124:12
robust 116:8
robustness 82:4, 7
ROC 137:20
Rodriguez 152:14
**RODRIGUEZ-
HORNEDO** 152:16, 19,
23; 153:1; 181:2, 5, 25;
182:12; 183:2, 6, 18;
184:4; 202:8, 10; 208:13;
209:1, 6; 235:13
Rodriguez 188:11
role 33:14; 34:5; 69:8;
70:16; 110:11
roles 120:9
rolling 85:18
Room 7:1; 23:16; 97:25;
144:15; 221:4
root 113:22; 201:9
rounds 88:10
route 168:3; 204:6
routine 43:20; 49:5;
112:7; 115:24; 116:5;
118:2, 5; 127:21; 128:8,
17; 137:18; 163:1, 4;
192:16, 20, 24; 193:8;
194:25; 195:6; 199:17;

200:10
routinely 118:25
RSD 116:3; 118:5, 9, 20,
21; 119:8, 10, 18; 127:14,
24; 130:15; 199:18
run 22:22; 45:1; 85:8;
114:19; 116:10; 125:13,
14; 127:18; 128:11;
133:16; 139:20; 140:10;
190:7; 220:15
run-out 116:23
running 139:15; 203:5
runs 49:23; 50:9

S

S 164:10
sabbatical 15:23; 16:1
safe 50:23; 75:25, 25;
83:13
safer 78:12
safety 39:5; 89:12;
102:13; 108:6, 9, 20;
191:16; 203:20, 24;
204:12, 16; 205:9
sale-up 190:18
salt 92:12; 182:16
salts 92:6
same 81:7; 84:7; 85:13;
95:1; 99:17; 109:23;
115:3; 122:7; 125:15;
140:6; 143:23; 144:1, 2, 4,
12; 145:20, 23, 25; 146:1,
2, 6, 7, 11; 157:11; 160:20,
25; 168:2; 169:5; 170:17;
171:21; 182:18, 20, 22;
183:9; 184:15; 187:22;
189:15; 191:9; 193:3;
203:20; 204:4, 5, 5, 12, 15;
205:9, 16, 17; 206:23;
207:1, 8, 13; 210:22, 25;
215:7, 16; 222:1; 224:18;
226:16, 18, 19; 230:9;
233:21; 240:4, 22; 241:12
sameness 187:19, 20
sample 114:11, 15;
116:5, 7; 117:8, 12, 16;
124:17; 127:12, 13, 15;
129:8, 19; 133:22; 138:2;
140:12; 240:8, 9
samples 116:9; 127:19;
137:22, 24; 138:8; 196:22;
240:11
sampling 112:3, 6;
113:15, 24; 114:8, 14, 17;
115:7; 117:1, 2, 16, 20, 20;
121:24; 125:14; 126:9;
129:22; 130:7; 131:7, 12;
132:23; 133:23, 24; 134:6;
135:7, 8; 137:6, 12;
138:17; 240:12
Samurai 72:7
San 55:8
satisfactory 218:25
save 85:21; 199:12
saving 40:23

saw 196:3
Sayed 87:10; 91:4, 7;
99:4; 100:23; 105:11, 24;
106:12
saying 8:14; 77:21; 95:8,
14, 23; 96:12, 20; 97:4, 14;
105:14; 106:13; 112:15;
119:15; 127:13; 178:10,
13; 182:9; 185:5; 218:15;
224:15, 16; 229:15; 230:7;
231:6; 233:2
scale 69:13; 79:8; 85:16;
124:19; 188:23; 190:23
scale-up 43:2; 79:8;
201:5
scan 21:10; 189:19
scanning 193:21
scary 40:17; 237:7
scenario 49:10; 61:20;
63:1; 122:12; 174:24;
179:19; 212:16, 23;
214:15
scenarios 130:9
scenes 238:13
schedule 19:15; 86:22;
111:17; 141:2
scheme 38:9; 126:9;
129:22; 137:12; 176:23
School 4:21
schools 54:3
Schwartz 23:6, 20
Science 4:10, 12; 6:5;
8:4; 9:1; 19:20, 23, 24;
29:22; 32:2, 23; 37:10;
38:11; 40:18; 59:5; 63:14;
72:18; 113:17; 130:11;
131:4; 146:23; 153:14;
186:16; 187:8; 225:2, 3,
22; 231:14; 232:1, 13, 16,
20, 21; 240:1, 3; 241:7
Science's 34:22; 35:4
sciences 5:1, 18; 27:3,
12
scientific 13:14; 14:1;
31:2; 33:15; 38:23; 88:10;
114:2, 13; 142:19, 20;
147:25; 151:19, 20; 153:8,
17, 24; 154:10; 164:23;
165:7, 17; 172:1, 4;
173:24; 176:11; 180:20;
185:5; 186:14; 190:17;
225:12; 238:11; 241:9
scientifically 172:3
scientist 158:2; 186:20
scientists 143:10; 233:3;
238:5
screen 36:24; 162:6;
190:23; 192:12; 195:18;
199:9; 227:10; 228:3
screened 6:16; 7:16;
188:2
screening 162:24, 25;
167:24; 170:12; 171:6;
185:9; 227:23
screens 185:13
scrutinized 188:13

scrutiny 124:19; 188:9
se 235:5
second 9:13; 42:8; 74:25;
84:4; 102:11; 108:6;
109:19; 138:4; 162:1;
198:24; 199:4; 204:18;
205:8; 206:25; 216:18;
219:10; 222:24; 225:17
seconds 124:17
section 87:2; 152:7;
192:20; 194:4
security 52:14; 64:13
seeding 229:21
seeing 118:25; 181:11;
202:21; 225:24
seek 53:1; 103:25;
120:12
seem 145:11; 182:6;
223:16; 238:15
seemed 117:18
seems 40:7; 134:21;
143:9; 213:1; 214:1, 5;
236:3, 6; 239:4
segregate 137:1
segregation 114:18;
115:5; 116:22
select 175:24
selected 55:7; 107:3;
228:7
selection 33:25; 157:25;
158:1
selective 45:2
sell 80:22
semi-permanent 39:17
sending 82:21
sense 40:19, 22; 54:20;
60:15; 61:8; 75:21, 22;
81:1; 115:5, 7; 116:17;
121:8; 123:3, 3; 134:11,
20; 200:10; 213:11;
216:13; 226:2; 228:6, 23;
229:8; 232:10; 234:23;
237:21; 238:16, 25;
240:14
sensitive 124:20;
193:20; 220:21; 235:3
sent 115:16
sentence 236:17, 18
separate 182:17; 232:23
September 22:3; 24:21;
25:5; 26:23; 147:7
series 22:13
serve 33:2; 34:9
serves 10:12; 34:4;
36:15; 240:5
Serving 41:9
session 52:16, 17;
140:24
sessions 10:20
set 9:23; 12:8, 17; 13:5,
18; 41:5; 49:11; 59:16;
70:23; 85:20; 105:4;
113:3; 123:5; 162:17;
163:6; 166:1, 3, 11, 12, 15,
17; 168:10; 171:25;

172:19, 23, 24; 173:10, 15;
174:2; 175:15; 176:23;
215:10; 220:25; 221:3, 4;
225:8, 13, 15, 17; 230:21;
23; 240:20
41:6; 61:12
setting 11:23; 56:15;
172:2; 230:1
settle 231:7
seven 221:9
several 9:2; 10:14; 18:3;
19:2; 27:19; 29:14; 54:17;
80:16; 130:17; 190:20;
219:15; 238:13
severe 61:22
Shall 169:1
share 53:2, 11, 14; 54:20;
56:13; 57:10; 64:17; 65:8;
80:3; 124:9; 130:10;
191:22, 23, 24; 201:11
shared 35:14; 60:11;
65:8; 67:24; 80:4; 114:9,
20; 130:11; 237:17
SHARGEL 5:9, 7; 7:13;
74:15; 77:14; 211:7;
222:14; 223:8; 224:23;
225:9
sheet 23:2
SHEK 5:11, 11; 7:12;
78:17; 100:18, 25; 101:7,
15, 24; 102:6, 14, 18;
182:21; 183:7; 214:7;
235:22
211:10; 212:5, 15,
17, 16:20; 219:5
Shen 113:8, 9
shift 47:2; 49:25; 60:14;
76:24, 24; 79:19, 20
short 78:14; 142:17;
151:6; 203:3
short-run 75:16
shot 73:19
shots 186:6
shout 152:25
show 44:6; 154:13;
157:12; 159:18; 171:18,
24; 194:10; 205:14, 23;
208:17, 19; 213:14; 218:9;
223:4
showed 115:3; 194:5;
206:12
showing 44:7; 190:19;
200:2
shown 42:20; 49:18;
155:14; 165:2; 189:18;
207:17; 210:13; 213:21,
22; 222:25
shows 83:9; 104:21;
159:7, 14; 189:13
shrunk 90:21
shut 70:22; 71:4
7; 13:12, 13; 161:7;
23:9
sides 211:11
sign 56:25
signature 43:5, 5; 46:9;

64:13; 77:4; 82:4; 194:16,
18
signatures 43:16; 52:15;
69:22; 77:10
signed 134:14
significance 149:16;
150:10
significant 54:15; 84:13,
25, 25; 86:2; 128:19;
148:14; 205:14, 21, 24;
213:12; 215:1; 217:4;
227:18; 235:23, 25
significantly 11:1; 79:22
silly 109:8
similar 81:16; 114:23;
190:4, 15; 205:17, 22;
210:14; 219:21; 222:25
Similarly 114:20
Simmons 56:6
simple 68:18; 90:2, 7, 10;
92:6, 11; 94:20; 99:19;
106:2, 5; 118:1; 143:9, 19;
146:12; 151:18, 20
simply 64:9; 75:12; 76:3;
81:8; 130:18; 132:17
simulate 66:20; 68:19
simulated 137:22
simulation 66:15, 15, 21;
67:1, 13; 68:17, 24; 70:1,
5, 8, 15; 79:1, 3; 80:7;
115:13
simulations 70:9
sincere 70:13
single 72:11; 98:24;
99:15; 101:4; 140:3;
154:20, 21; 155:13;
180:17, 19; 205:18; 239:3
Sistare 16:9; 29:5, 24;
30:5; 33:3, 6; 39:18
sit 35:10, 13; 38:3
site 26:24; 27:1; 59:14;
110:23; 111:15; 124:11;
239:7
sites 111:11
sitting 165:15
situation 40:1; 60:8;
63:9; 86:11; 122:2;
135:12; 139:14; 212:9;
234:17
situations 63:18
six 78:2; 118:21; 119:8;
221:9
size 28:21; 69:20; 105:5;
115:23, 25; 116:5, 8;
117:8; 124:17; 126:1;
129:9; 171:16; 218:19;
240:7, 9
sketch 154:2
Slide 8:16; 9:8, 24; 10:9,
18; 11:4, 14; 12:25; 14:7;
15:5; 16:3; 22:24, 25; 23:7,
8; 24:9, 19; 25:3; 26:5, 21;
27:15; 30:9, 21; 31:21;
32:10, 20; 33:11; 36:9;
41:8, 25; 42:13, 24; 43:19;
44:19; 45:25; 46:18;

47:10; 48:1, 13; 49:7; 50:1,
14; 51:9, 25; 52:11; 53:9;
54:19; 56:12; 57:9; 58:24;
61:17; 63:2; 87:9, 13; 88:5,
16; 89:18; 90:22; 91:8, 13;
92:8, 9, 21, 22; 93:17;
94:3, 11, 17; 95:5, 6, 20,
21; 96:7; 97:11; 98:6, 17;
111:23; 113:1; 114:5;
115:9; 116:11, 21; 117:23;
119:13; 120:3, 18; 121:21;
123:13; 124:8; 125:3, 17;
126:4; 142:14; 143:2, 21;
144:5, 16; 145:17, 24;
146:9, 20; 147:3, 18;
148:5, 19; 149:8; 150:21;
151:24; 153:11, 19; 154:1;
155:22; 156:22; 157:14,
15; 158:24; 159:10, 17;
160:8; 161:1, 17; 162:15;
163:8; 164:20; 165:9, 20;
166:19; 167:22; 169:3;
170:1; 171:4, 11; 172:15;
173:18; 174:4; 175:10;
176:7; 177:23; 181:16;
185:1, 18; 186:3; 187:10;
189:6; 190:9; 192:1;
195:11, 25; 196:2; 197:14;
198:23; 199:23; 200:12,
13; 202:22, 23; 203:2, 14;
204:1, 2, 9, 13; 205:7, 20,
23; 206:6, 7, 20, 22, 24,
25; 207:14, 18
slide-and 177:12
slide-when 119:17
slides 22:14, 16; 41:5;
65:23; 146:15; 162:13;
167:11; 185:25; 202:21;
207:4; 209:3, 5; 230:24
slightly 67:16; 183:14, 15
slow 76:13; 125:24
small 37:18; 75:4; 78:7,
23; 79:8; 80:18; 116:6, 7;
120:11; 132:18, 22;
133:22; 163:19; 193:16;
194:11; 240:8
smaller 75:5; 82:15;
85:22, 23; 99:2; 196:10
smarter 66:9
SmithKline 147:8
Smithsonian 154:9
smoothly 85:8
so-called 173:8; 180:15
sodium 205:1
soft 157:25; 158:4
software 52:14; 64:4, 7,
13; 86:19; 225:24; 227:12
solid 79:6; 147:15; 153:9;
157:22; 158:8; 163:13, 15,
17; 165:12; 175:16, 18;
176:5; 182:10; 195:18;
197:5; 207:11
solid-state 156:4
solids 68:15; 94:19, 20;
95:2, 7; 195:13
solubilities 226:18
solubility 95:12, 13;
156:2; 157:2; 159:11, 12,

22; 164:12, 16, 17, 18, 24;
166:24; 167:13, 16, 19;
176:25; 177:5, 9; 179:10;
188:12, 17, 20, 23, 24;
189:2; 213:13, 16; 215:22;
221:17, 18, 19, 23, 24;
223:7; 224:3, 6, 24;
226:19; 229:10; 234:7;
235:10, 15
soluble 159:14, 16, 20,
21; 160:23; 165:3, 4, 5, 6;
167:4, 6, 15; 177:15, 17,
18; 178:5, 11, 17; 188:16;
211:24; 214:25; 215:24,
24; 221:7, 13; 222:3;
223:10, 22; 224:2, 5, 8;
229:11; 233:24; 234:1, 3, 5
soluble-what 177:25
solution 160:11, 15, 20;
163:19; 164:8; 175:15;
176:3; 178:1, 18, 19;
207:5, 6, 17
solutions 94:19; 121:12;
123:14; 184:15
solvate 155:4, 5; 181:24;
182:24; 183:4; 227:20;
230:25
solvate-I 181:10
solvated 189:10
solvents 155:4, 6, 17, 20;
181:8, 21; 183:11, 13;
187:21; 189:24; 227:3, 4;
230:14
solving 139:13
somebody 122:15, 21;
198:8; 214:19
somehow 143:18
someone 110:8; 226:20;
234:12
Sometimes 28:20; 77:23;
99:16; 135:24; 155:12;
161:16; 168:1, 3; 170:3;
175:8; 191:8; 192:17;
219:18; 220:8
somewhat 126:20;
231:21
soon 38:22; 84:14; 91:3
sooner 31:12; 139:13, 18
sophisticated 70:12;
72:14, 15
sophistication 63:13
sorry 236:16
sort 18:10, 23; 34:4;
36:15; 38:9; 41:16; 56:6;
57:6, 8, 13, 23; 58:2, 12,
15, 25; 59:1; 60:14; 61:12,
14, 18; 62:4; 63:1, 21;
64:22; 68:8, 11, 20, 21;
69:10; 75:24; 76:12, 19,
23; 80:5, 8, 10, 20, 23, 23;
81:7, 9, 12, 25; 84:1, 6;
111:24; 113:8; 114:1;
115:11, 20; 116:17, 25;
119:3, 14; 120:16, 19;
121:13, 14; 123:11, 15, 25;
124:9; 125:5; 126:5, 10;
127:6; 129:20; 134:13;
143:10, 16, 25; 185:13, 15,

24; 187:11, 12; 188:2, 8,
11; 189:3, 12, 17; 192:8,
14, 18; 193:24; 194:6;
195:14, 15; 197:21;
213:10; 215:3; 221:1;
225:19; 226:25; 228:4;
229:4, 24, 25; 230:23;
231:13; 232:8; 234:19;
239:20; 240:2
sorts 123:3
sound 202:12; 233:1
sounds 105:3; 119:22;
174:6
source 123:21; 190:18;
191:12
space 227:11
speak 66:8; 137:9;
208:22
speaker 201:20; 202:1, 9,
11
speaking 138:20
speaks 191:5, 9; 192:3
spec 45:18; 51:1, 3;
199:3; 218:18
special 6:15, 20; 36:4;
98:1
specialist 201:19
specialties 36:7
specific 29:19; 30:15;
34:10; 35:22; 101:3;
157:19; 168:6; 170:5;
173:7, 13; 174:14; 181:19;
194:16; 195:8, 21; 198:3;
232:15
specifically 27:23;
31:17; 117:3; 131:10;
137:14; 138:11; 179:13;
185:22, 23; 187:15; 231:3
specification 50:11;
105:4; 172:18, 22, 24, 25;
173:5, 7, 9, 10, 13, 14, 16;
190:13; 209:22; 210:1, 4;
212:12; 215:4; 225:8, 14,
15, 18; 239:23
specifications 59:17;
70:23; 81:5; 93:6, 9; 97:1,
9; 100:4; 104:6, 7, 25;
105:20; 106:10; 109:16;
119:4; 147:15; 173:3;
190:13; 212:17; 220:25;
221:3; 225:9; 230:21;
231:11; 236:8
specifics 191:23
specified 147:20; 203:22
specs 45:6, 10; 199:1
spectral 124:13
spectroscopic 192:25;
194:6
spectroscopy 156:4;
172:7
speed 135:19; 175:25
speeding 134:24, 25;
135:2
spend 58:25; 61:18;
162:12; 236:24
spending 20:2; 143:8

spent 21:8; 25:16; 98:19;
136:3; 167:11
spoke 28:2; 66:10
spoken 190:1
sponsor 149:2; 169:6;
175:24
sponsors 6:14
spontaneous 238:5
spots 125:21, 23
spray-drying 161:11
Squibb 199:22
stability 17:17; 93:7;
97:1, 13; 98:9; 100:2, 4,
20; 101:13; 144:13;
146:17, 17; 152:3; 157:2;
171:13; 179:11, 12;
209:10; 211:9, 14; 212:18;
214:21; 228:25; 231:20
stabilize 191:3; 214:16;
231:3
stabilized 197:23;
227:13
stable 93:11; 104:14, 16,
21, 22; 159:13; 170:11, 13,
14, 15, 17, 24; 174:11, 18;
175:3; 188:24; 197:16;
198:4, 6; 209:23; 211:3;
214:12, 16, 18, 24; 221:14,
14, 17, 19; 222:1, 7, 15,
16; 223:3, 10, 15; 224:5;
235:18
staff 27:18, 23; 59:16;
113:5; 120:13; 126:25
staffed 28:16, 18
stage 21:24; 22:9; 91:2;
108:20; 118:16, 19, 21;
119:19; 128:14, 15;
130:14; 139:5; 220:15;
224:25, 25; 227:21
standard 32:12; 82:2;
99:10; 118:10, 11, 14, 15,
18; 119:12, 16, 18; 129:21;
130:6, 20; 131:1; 137:22;
193:24
standards 14:11; 74:20,
24; 77:21, 22; 97:5, 10;
102:1, 4; 128:24, 25, 25;
129:6, 17, 25; 130:1, 12,
13; 146:2, 4; 152:2, 9, 9;
204:17; 205:1, 3, 10; 240:3
standpoint 213:17
stands 163:2, 3
start 9:6; 10:25; 11:20;
13:14; 23:25; 58:10, 18;
60:23; 69:21; 76:15; 77:7;
79:9; 80:20; 84:1, 14;
100:19; 103:14; 134:17;
157:18, 19; 158:20;
167:23; 170:12; 184:14;
186:5; 201:2
start-up 116:23
started 17:21; 57:2;
112:18; 129:22; 139:2;
158:17
starting 4:6; 55:17;
81:19; 84:6; 117:22;
166:22; 229:2

startling 133:13
starts 53:24; 85:19; 196:1
state 96:17; 147:16;
151:13; 175:16; 186:7;
213:8; 218:25
state-of-the-art 179:1, 6
statement 6:24; 198:1,
11; 207:7
statements 198:15;
234:10
states 145:19; 206:21
station 8:15
statistical 46:10; 115:10,
13; 130:22; 133:7; 134:6,
20; 137:6
statistically 48:23;
69:24; 84:24; 128:19;
129:21; 133:19; 138:19,
25
statistician's 238:15
statistics 52:5; 132:9;
196:20; 197:9
statute 238:4
stay 45:13; 150:6; 208:7;
238:19
stays 41:16; 211:10
stearate 62:7; 125:12
steering 5:16; 54:21;
55:19
Stella 113:7, 9
step 8:17; 26:17; 57:8;
58:23; 60:6; 61:1; 68:20,
20; 77:4, 4, 5, 6, 12; 79:24,
25; 80:8; 88:19; 100:6, 10;
124:6, 6; 126:6; 131:3, 3,
6, 11; 132:20, 21; 134:7,
13; 144:9; 229:18; 240:5
steps 16:19; 17:3; 18:20;
44:20; 72:11; 88:18;
112:25; 120:4; 126:24;
134:4
stereoisomeric 146:5
sterile 94:19
Steve 185:7; 190:22
still 11:17; 12:20, 20;
14:25; 17:13; 55:25;
82:12; 83:17; 85:1; 103:1;
117:24; 124:25; 126:22;
172:10; 183:9; 193:11;
199:21; 202:6; 214:25;
215:15; 218:19; 227:22;
231:6; 232:11; 239:5
stir 41:2
stoichiometric 155:2, 3;
181:20; 182:1
stomach 163:16, 19
stone 35:6
stop 126:15; 203:5
storage 25:10, 14; 97:2,
23; 210:15; 228:14;
233:14, 19
store 104:20
stored 97:25
story 151:6
straightforward 64:6;

106:2; 173:17; 188:18
strange 108:3
strategies 58:22; 68:6;
194:9; 197:24; 240:12
strategy 69:3; 185:9;
198:4
stratified 112:6; 113:14,
24; 114:8, 13, 17; 115:6;
116:25; 117:2; 121:24;
125:14; 126:8; 131:15
stream 43:8, 10, 14, 25;
44:1, 22, 23, 25; 45:3, 8, 9;
46:6, 13, 15; 47:4; 48:6;
49:1; 51:3; 69:19, 21
streams 47:6
strength 95:8, 12;
144:12; 204:6
strengths 107:4
stress 8:24; 19:21
strike 231:22
striking 42:4
stringent 81:4; 147:14
strong 21:13; 39:19;
138:2; 220:24; 238:10
strongly 106:21; 111:6
structure 11:22; 28:9;
29:18; 40:14; 144:3;
146:4, 11; 154:7; 156:11,
19; 182:18; 189:23;
194:17, 20; 195:9; 226:1,
4; 237:6, 9, 20; 238:21;
239:4
structure-non-
equivalent 156:10
structures 154:3, 13;
195:3
struggle 240:17
struggled 117:7; 135:4
struggling 117:24, 25
students 195:14
studied 108:20
studies 11:13; 16:9;
20:11, 16, 19; 23:23;
30:19; 31:24; 32:8, 25;
34:12; 38:3, 17; 39:2, 8;
164:3; 165:11, 19; 205:6;
211:14; 217:7; 220:16;
235:16
study 64:24; 83:8;
114:25; 125:9; 141:4;
208:24; 212:7, 14; 220:8;
239:3
stuff 15:12
subcommittee 9:19, 20;
11:13, 22; 12:12, 14, 15,
18; 13:6; 15:24; 16:9, 13;
17:22, 23; 18:1, 1, 5, 11,
18; 20:10, 10, 13, 15, 20;
22:6, 8; 24:20, 23; 25:7,
23; 26:17, 22; 27:4, 13;
28:7; 29:3, 5; 30:15, 19,
23; 31:13; 32:2, 3, 6, 8, 11,
13, 16, 19, 25; 33:1, 13,
17, 19; 34:3, 4, 11, 13, 23;
35:4, 12, 19; 36:15; 37:2,
22, 24; 38:3, 18; 39:3, 8,
23, 24; 40:2, 3, 9, 14; 53:3;

54:2; 56:14; 57:6, 7; 61:15;
63:20; 64:3, 8, 24; 125:20;
237:6, 9; 238:1, 21; 239:4,
15
subcommittees 11:7, 9,
10, 24; 12:3, 4; 19:11;
21:19, 20, 24, 25; 29:10,
14
subdivisions 186:1
subgroup 91:1
subgroups 23:19
subject 33:18; 37:21;
86:17; 138:9; 198:3;
200:19; 227:25
subjects 30:8
submission 43:17; 52:17
submissions 55:15;
64:18
submit 152:7
submitted 17:1; 51:18;
64:18; 87:23; 88:2; 114:7
submitting 6:25
subsequent 49:15, 22;
150:18; 198:9; 201:7
subset 34:3
substance 47:17; 90:1,
24; 91:15; 92:2, 3, 5, 10,
11, 13, 20, 24; 93:1, 5, 8,
10, 10, 13, 15, 21, 25;
94:1, 6; 96:10, 11, 14, 18;
104:13; 105:13, 14;
106:17; 147:15; 154:24;
155:13; 156:8, 17; 159:9;
161:22; 163:2; 166:12, 13;
167:1, 8; 168:2, 6, 8, 12;
169:5, 7; 171:16; 172:9;
174:14; 178:2; 179:14, 16;
182:4, 10; 184:8; 193:18;
199:15; 200:9; 223:25;
228:8; 233:22, 22
substances 91:22;
92:18; 155:25; 162:19;
163:2, 6; 166:4; 236:7
substantially 117:17
substitute 144:22
subtleties 201:5
successful 33:10; 53:21
successfully 54:13
successors 237:17
such-and-such 62:8
sue 150:2, 5
sued 151:2, 3, 3, 4
sufficient 44:11; 173:14,
22; 174:5; 237:24
sugar 144:19, 20, 22, 22,
23; 145:1, 2, 2, 4, 4, 13, 13,
16; 181:13; 182:3; 183:4,
20
suggest 110:20; 134:18;
141:3
suggested 40:7; 179:22
suggesting 180:9;
222:5; 225:7; 230:3
suggestion 222:12
suggestions 25:6;
236:4; 239:9

suggests 67:8; 115:17,
20
suitability 52:4
suitable 42:20; 50:17;
92:13; 93:14, 15; 94:8, 23;
95:11, 15, 16; 96:1, 4, 16,
21; 97:7, 19; 98:3, 13
sum 231:25
summarize 22:14; 33:12;
116:14; 232:9
summarizes 59:1
summary 151:25
SUPAC 61:21; 62:4, 6, 23
superior 66:16
supersede 45:12
superstitious 72:2
supervisor 28:20
supervisors 28:21; 29:2
supplement 43:18
supplements 87:24
supplier 191:10; 227:9;
228:7, 12; 229:14, 17
suppliers 80:19; 86:1,
12; 190:14
supply 86:14
support 80:14; 87:7
supported 114:1; 235:9
supporting 80:15;
115:12; 156:13, 13
supportive 156:21
sure 13:19, 25; 22:15, 22;
35:13, 25; 36:13; 41:1, 12;
68:1; 80:14; 119:25;
127:6; 129:5; 137:11;
138:22; 152:8; 159:25;
173:6; 178:9; 179:24;
180:22; 181:14; 206:13;
216:8; 221:3; 235:11
surface 139:16; 164:11
surprise 41:4
survive 170:12
suspected 226:7
suspension 160:13
suspicion 72:19
sweet 144:25
switch 78:13; 119:20
switching 119:23
sword 72:12
sword-making 72:8
synchrotron 194:1
synthesis 90:10; 168:3;
214:17
synthetic 92:5, 11, 18;
98:24; 191:1, 23
system 9:14; 48:22;
63:23; 68:18; 69:19;
71:14, 21; 84:20; 108:1;
117:2; 122:20; 123:8;
129:1, 18, 24; 132:18, 23;
134:14; 162:2, 9, 14;
163:10; 164:23; 165:13;
167:12, 17; 182:1; 227:13;
228:20; 234:24, 25; 236:2;
240:21, 22

systematic 163:22
systems 14:10; 46:20;
47:15; 48:6, 8, 8; 58:19;
61:7, 23; 62:19; 63:7;
68:2, 16; 83:11, 14;
134:24; 134:10; 194:14;
195:24
systems--and 71:20

T

table 44:6; 114:22; 177:2;
195:22
tablet 72:4, 6; 78:1;
107:5; 124:20; 128:10, 20;
130:14; 136:12, 18, 24;
139:8, 15, 16, 17; 140:3;
163:14, 15, 17; 200:8
tablets 79:6, 16; 85:17;
116:6; 118:16; 119:7;
124:15, 22; 127:24; 128:1,
5, 13, 20; 131:8, 13, 13;
132:3, 11; 133:9, 16;
136:19, 19, 22, 23; 137:2,
14; 138:6, 9; 139:3; 140:5;
196:25; 197:2
tactics 68:17
talk 12:14; 13:21; 16:5,
14, 18; 17:7, 9, 11, 23, 25;
18:4, 9; 20:14; 33:4; 57:12;
67:6; 99:13, 15; 105:2;
113:2; 144:9; 162:11, 11;
186:22; 193:11, 25;
201:17; 234:11
talked 11:16, 22; 14:25;
16:16; 25:22; 26:9; 79:4;
82:10; 89:19; 136:15;
187:22; 192:4; 193:1;
194:24; 228:1; 230:23;
237:16
talking 11:21; 14:23;
53:22; 63:10; 69:22; 70:4;
78:18; 82:25; 99:25;
103:5; 111:25; 127:11;
131:6; 135:5; 140:11;
184:14; 193:4; 214:11;
217:21; 218:15; 223:6, 8,
19; 227:8; 229:16; 235:5
talks 191:6; 195:22;
196:2; 205:1
target 38:7; 196:24
targeted 35:23; 90:8
targeting 138:11
targets 117:3
teach 195:13
team 53:15; 54:11, 13, 15,
20; 55:5, 14, 16, 18; 56:3,
9; 64:20
teams 187:4
technical 19:3; 87:7
technique 77:17
techniques 21:10; 66:16;
189:1; 197:4, 6, 12; 232:15
technological 121:12
technologies 11:11;
16:12; 41:3, 22; 42:19, 22;

43:15; 44:17; 45:24; 51:6;
58:20; 63:10; 81:24;
124:4; 136:3
technology 9:18; 23:15;
36:22; 41:17; 44:13, 16,
17; 51:2, 14; 57:21; 71:7;
72:18; 74:20; 75:14; 76:6,
8; 77:2, 5, 8; 84:12; 90:10;
123:14, 19; 125:2; 126:11,
13; 136:14; 146:21; 171:4;
194:7; 214:8
telling 97:23; 134:3
tells 166:12
temp 189:19
temperature 97:25;
158:6, 7, 11, 15
ten 81:14, 15; 136:22;
157:17; 165:8; 185:25;
227:16, 17; 230:14;
234:13
tend 60:2; 114:18;
162:23; 167:25; 170:13;
191:3; 219:19; 238:5
tendencies 193:22
tends 170:11; 220:20;
221:16
Tennessee 4:18; 54:5;
55:22
term 75:25; 76:2; 78:15;
106:10; 156:11; 181:6
terminology 206:1;
225:20; 235:15, 20
terms 33:21; 34:5; 36:25;
58:18; 73:3; 83:22; 85:7;
86:8; 100:2; 119:22;
126:8; 151:20; 154:6, 11;
178:19; 180:14; 189:4;
192:15; 193:5; 194:8;
195:17; 201:2; 203:22;
204:11, 20; 206:2, 10;
207:19; 216:20; 221:7;
222:15; 224:3, 5; 226:1;
228:11; 232:14
test 25:13; 45:12; 70:17;
81:21; 133:3; 136:19;
138:20; 139:11, 11;
175:15; 176:3; 179:8, 23;
180:17, 19; 189:8, 12;
205:13; 212:19, 21, 24;
213:3; 214:3; 215:2, 9;
216:20; 217:20; 219:13;
230:21; 235:19; 239:22;
240:1
tested 132:11; 137:14,
15; 212:17; 217:15
testing 36:3; 43:23, 24;
44:7, 8, 10, 10; 47:3, 3;
49:14, 22; 52:18; 71:24,
24; 74:7; 90:19; 115:4;
116:23; 118:15, 15; 119:5,
12, 18, 19, 21, 24; 121:6,
10; 122:3, 15; 132:13, 13,
17; 133:1; 134:16; 135:13,
15; 136:2, 5, 5, 7, 12, 18,
24; 137:18; 138:10; 152:6;
163:1, 4; 166:25; 167:7;
175:12, 22; 177:17; 178:8,
25; 179:5; 186:17; 196:4;

7, 12, 25; 197:8; 198:21;
219:11, 23; 220:5; 223:24;
230:19; 233:12, 16; 235:2;
239:24
testing--I 119:17
tests 25:11; 74:21;
186:21, 24; 190:3
Texas 4:14
TGA 156:2; 189:14
TGAC 31:18
Thanks 142:9, 9; 184:24,
24
that--you 135:6
theirs 226:19
themes 239:19
theoretical 217:11
theoretically 210:10;
216:10
theory 170:23
therapeutic 102:10;
108:2; 202:25; 203:11, 16,
17; 204:11, 23; 205:17;
206:17; 207:19
therapeutically 205:5
thereby 49:4
Therefore 29:17, 20;
63:12; 121:19; 131:19;
149:5; 150:13; 155:15;
162:23; 174:25; 178:7;
191:9; 207:17; 223:22;
234:6; 235:11
thermal 156:1; 189:23;
192:25
thermoanalyst 189:20
thermodynamic 61:11;
230:1
thermodynamics
170:24
these--what 237:21
thickness 164:12
thin 184:16
think--into 186:1
thinkers 237:3
thinking 58:10, 18;
62:20; 86:8; 91:5; 184:9
third 63:22; 191:17
thirty 66:17
this--no 206:14
thoroughly 171:13
though 19:8; 68:25;
78:14; 84:24; 103:2;
108:17; 135:23; 171:24;
172:8; 173:4, 12; 186:4;
197:4
thought 29:23; 64:1;
107:7, 8; 119:3; 176:21;
238:10
thoughts 53:11; 120:7;
123:15; 239:13
thousand 132:11; 227:15
three 10:24; 11:17; 12:10;
28:17; 49:8; 54:3, 3; 57:12;
78:2; 80:6; 89:17; 98:10;
99:17; 100:13, 14; 101:2;
112:23; 127:19; 128:1, 15;

146:14; 151:16; 153:21;
158:18; 162:13, 21; 163:3;
165:23; 166:7, 14, 21;
167:11; 170:7; 173:20;
185:23; 192:6; 196:1;
198:13; 208:18; 209:21;
219:10; 233:9; 237:24;
241:5
three-month 214:20
three-pronged 114:4
three-tier 88:17
throughout 127:12;
212:17
throw 103:16; 216:12
tickets 134:24, 25; 135:2
tied 77:3; 83:4
tier 88:18, 19; 89:11, 17;
102:12; 108:5, 6
tightened 119:4, 4, 20
tighter 84:19; 86:7;
139:9; 190:12, 13
timely 46:22
times 11:23; 82:11;
127:12; 128:10; 143:6, 14,
15; 147:24; 163:11;
237:24
title 143:3; 165:10
Tobias 5:14
Toby 82:9; 110:17;
134:25; 137:7
today 8:11; 12:15; 19:22;
59:9, 24; 60:23; 72:25;
78:19; 79:6, 13, 18, 21;
82:19, 23; 84:15; 115:6;
122:4; 129:1, 21; 166:22;
190:16; 200:22; 213:22;
216:16; 217:22; 237:16,
16; 238:13; 239:20
today's 6:10, 22; 187:5;
241:13
today--let's 212:2
together 22:13; 23:16;
53:23; 54:10, 12; 73:16;
100:15; 120:6; 134:19;
136:4; 241:14
tolerance 130:13
tolerate 71:1, 2
Tom 5:17; 16:23; 41:1, 1;
53:6; 76:25; 85:25;
112:11; 113:20; 133:5;
137:7, 7, 9
Tom's 218:14
tomorrow 12:9; 13:21;
17:20; 129:1; 241:14
took 41:20; 238:3
tool 58:13
tools 52:9; 57:21; 58:7;
67:13; 70:12; 72:14; 99:14
top 76:23; 102:6
topic 17:18; 23:10; 59:1;
88:8, 11; 110:20; 111:18;
112:8; 142:2, 6, 11, 15;
143:13, 15; 197:3
topical 10:4; 33:15; 94:19
topics 6:10, 17; 7:3;
10:21; 32:16; 84:7;

239:14; 240:25
total 48:21; 78:6; 127:21;
128:15, 16
totally 83:11; 157:23
touched 197:21
toward 114:8; 135:12
towards 57:18; 61:5;
62:19; 63:1; 80:8; 81:21;
114:18; 122:13; 212:14
toxic 108:18, 19, 22, 23;
109:4
toxicity 21:17; 22:4; 25:1;
26:19, 24; 108:15; 109:1,
2, 5
Toxicological 38:4
toxicologist 4:16
toxicology 5:22; 12:17;
27:11, 22; 28:7, 24; 29:3,
9, 12, 13, 15; 30:25; 31:24;
32:4, 9; 39:5
trace 193:14
traced 45:18
traditional 45:19; 122:5;
199:25
traditionally 164:9;
189:25
traffic 32:19
train 127:4
training 51:12; 53:24;
54:2, 10; 55:16; 56:5, 7;
120:10, 13, 16; 126:24, 25;
127:4
transferability 43:2
transferred 31:10
transform 211:1
transformation 193:22;
196:9; 210:22
transformations 135:25;
196:8, 11
transit 164:1, 5
transitioning 17:25
translate 159:22; 160:9
translated 218:10
transmission 200:4
transparent 70:20
treading 184:16
treating 44:1
treatment 51:1; 105:7
tree 17:16; 92:10; 96:11;
100:22, 23; 101:11, 24;
102:7; 104:13; 161:19, 21;
162:17; 165:22, 25; 166:2,
6, 6, 8, 9, 10, 14; 167:9;
169:14, 20; 171:12;
172:16, 17; 173:16, 19;
179:9; 185:22, 23; 187:25;
192:3; 197:15; 209:18, 21;
211:2, 23; 212:1; 219:9,
22; 221:6; 223:2, 6; 225:8,
11, 22; 230:5, 18, 20;
232:11, 18, 23; 233:9;
234:4
trees 91:16, 17; 98:20;
114:2; 161:24; 162:1, 3, 5,
9, 11; 165:23; 166:21;

167:23; 185:4, 21; 186:6, 8; 187:14; 208:18; 209:9; 210:7; 212:10; 219:19; 234:17
tremendous 79:19
tremendously 159:13
trend 45:5; 51:1, 1
triage 34:5; 110:2
trial 60:3
tricky 174:13
tried 60:13; 73:6; 87:18; 239:3; 240:19
trigger 150:6; 214:23
trivial 192:23
troponins 26:8, 15
trouble 202:16
trouble-shooting 201:8
true 108:18; 157:9; 160:21; 194:14; 210:23
truly 82:19; 219:25
truncated 101:23
try 36:10; 41:23; 69:24; 102:25; 123:18; 153:20; 157:11; 181:15; 186:25; 201:4; 209:7; 232:12
trying 25:16; 65:4, 10, 11; 75:24; 98:25; 105:11; 121:9, 24; 131:2; 178:22; 188:19; 218:12; 223:9; 228:5; 232:18; 239:15, 25
Tsong 113:8
Tuesday 241:17
turn 33:4; 52:25; 85:17; 134:25; 139:8
turn-around 42:5
twenty 70:6; 234:13
twenty-five 66:17
twice 88:12; 145:3
two 16:22; 19:5; 21:11, 16; 23:18, 21; 28:21; 32:14; 34:16; 35:24; 39:18; 41:5; 44:9; 64:18; 66:18; 67:1, 19; 69:9; 75:23; 78:2; 81:3; 82:24; 83:16, 20; 88:18; 89:11; 90:23; 99:17; 100:20, 25; 101:4, 13; 106:25; 112:14; 130:8; 131:7; 133:24; 134:14, 18; 135:1; 143:5; 145:3; 148:21; 154:19; 161:25; 163:1; 164:18, 25; 165:1; 166:6, 9, 10; 167:10; 171:15; 172:17, 17; 173:16; 174:8; 176:16; 179:18; 184:2; 190:10; 194:22, 22; 200:7; 206:22; 207:1, 7, 12; 210:24; 211:23; 212:1; 214:13; 216:5; 224:9; 225:8; 227:17; 229:9, 9; 230:5, 9, 15; 233:11; 235:20; 237:23; 241:5
two-fold 129:12
two-year 31:16; 217:6
type 69:25; 76:2; 114:6; 116:22; 118:16; 129:16,

20; 184:1, 2; 231:15; 239:24
types 29:7; 195:24
typical 52:6
typically 191:2, 22; 227:19

U

U.S. 59:17; 83:1
ultimately 137:4
umbrella 187:22
unacceptable 146:25
uncovalent 184:9
under 12:13, 18; 15:2; 24:23; 34:13; 38:4, 20; 55:19; 57:7; 61:20; 62:23; 72:8; 83:6; 104:14, 20; 115:25; 122:12; 126:23; 129:18; 158:6; 160:22, 24; 171:25; 174:24; 179:18; 187:21; 189:8; 197:24; 203:9, 21; 204:14; 205:17, 22; 211:21; 212:8; 219:9; 221:6; 222:1
undergo 55:16
underlying 130:22; 239:18
understand, 1 65:12
understands 59:8
understood 48:16; 66:3, 5; 67:18; 68:2
undissolved 163:18
unexpected 190:19
unfortunate 143:14
unfortunately 114:7; 128:23; 130:20
uniform 81:14; 154:14
uniformity 10:6; 14:25; 16:22, 25; 43:13; 47:16; 107:8; 111:18, 20; 114:16; 115:18; 117:4; 123:18; 124:16; 125:11; 126:16; 133:12; 135:15; 136:12; 137:11; 139:16; 140:2, 16; 239:16
unimportant 196:13
unique 168:13, 14; 169:9; 173:7; 197:23
unit 48:3, 4; 49:9; 50:4; 76:22; 79:14; 95:8; 130:19; 193:3
units 112:6; 127:21; 130:17
univariate 44:2; 47:14; 48:7; 58:19; 60:4; 67:6; 122:3
universal 82:16
universities 54:3
University 4:14, 18, 21; 5:5; 23:4; 54:4, 5, 7; 55:22; 142:22, 23; 185:17
unknown 240:17
unless 62:17; 127:14; 192:19; 212:11; 233:10

Unlike 6:11
unlikely 61:8; 161:15; 164:6; 178:13; 220:1
unnecessary 230:18
unravel 43:6
unreasonable 187:9; 192:10, 17; 193:13; 195:1
unscathed 41:20
unstable 170:25
ununiform 154:16
unusual 155:10; 227:17
up 9:15, 20, 23; 11:19, 23; 12:8, 17, 19; 13:6, 14, 18, 19; 14:2; 15:12; 16:12; 18:3; 20:6; 35:25; 41:2; 56:15; 58:3; 60:19; 61:2, 12; 62:5; 67:14; 68:9; 71:16; 72:11; 80:23; 85:2, 2, 16; 101:24; 107:16, 22; 108:1; 114:18; 123:15; 124:24; 132:1; 138:15; 150:23; 159:4, 6, 20, 24; 163:6; 166:3, 17; 167:20; 168:1, 10; 172:2, 20, 23, 24; 173:11, 15; 175:15; 176:23; 186:9; 189:20; 190:19, 24; 191:20; 194:7; 208:22; 211:13; 212:24; 213:14; 225:8, 13, 15, 17, 20; 230:1, 21; 231:25; 233:10, 19; 235:24; 239:4; 240:20
up-can 177:14
update 16:8; 20:13, 18; 87:11; 111:21
updated 32:1
updates 87:3, 5
upon 8:1; 28:21; 29:18; 32:1; 54:10
Uppoor 55:20
USC 5:1
use 15:3; 26:15; 42:20; 43:14; 46:8; 50:24; 51:5; 52:4; 57:25; 60:12; 67:6; 76:5, 6; 77:16; 81:5, 8; 85:13; 99:10; 106:8, 9, 15, 17; 122:10, 21; 123:17; 129:16, 21; 135:7; 144:23; 145:10; 146:13; 157:11; 165:18; 168:14; 169:13; 170:17; 173:12; 175:14, 16, 18; 186:11, 25; 189:11; 195:13; 201:20; 214:15; 215:25; 216:24; 228:21; 230:17
used 20:23; 21:1; 23:22; 25:11; 43:5; 45:2; 47:14; 58:20; 61:21, 24; 88:21; 93:9; 103:5; 105:14; 108:21; 137:13; 151:3; 174:11, 12; 175:4; 178:24; 179:4; 197:6, 16, 16; 209:24; 214:13; 220:12; 223:13; 226:24; 229:12
useful 66:14; 67:13; 70:13; 71:15, 22; 77:19; 88:14; 236:8; 237:19; 238:24; 241:5

users 86:12
uses 147:13; 168:3, 4, 19; 174:22; 226:14
using 41:5, 6; 43:20; 57:14, 20; 67:15; 68:16; 78:1; 95:12, 12; 112:6; 122:5; 136:6; 149:1; 172:5; 178:25; 179:5; 186:10; 189:19; 191:7, 16; 195:17; 196:25; 200:1; 202:9; 209:23; 211:3; 225:21; 226:18; 227:5; 228:14, 19
USP 81:8, 22; 114:16; 115:4; 118:16; 123:20; 126:7, 15; 129:16, 20; 130:13; 131:12; 136:4; 138:10; 146:3; 147:19, 20, 22; 172:19, 21, 23; 173:2, 10, 13; 212:11; 223:17
usually 30:14; 66:8; 149:23; 159:14; 198:4; 199:5; 215:25
utility 147:1
utilization 24:16
utilize 61:11; 75:14
utilized 45:20; 60:19; 156:15; 175:4, 22; 176:6
UV 99:11

V

vagaries 201:5
vague 236:18
validatable 42:21
validate 42:22; 44:9; 85:12
validated 47:11; 133:1; 156:14
validation 24:15; 36:6; 42:7, 10; 43:1; 46:20; 47:13, 24; 48:9, 14, 15, 21; 49:2, 13, 20; 50:12, 18, 21; 52:14, 22; 63:24; 64:4, 7; 67:22; 82:14, 18, 23, 23; 83:1, 1; 84:3; 85:7; 116:10; 117:13, 18; 121:7; 123:19, 23; 127:18, 18, 24; 131:16, 20; 132:6; 133:2; 135:18; 137:17
validity 48:11; 52:5
valuable 30:13; 56:15; 58:13; 63:21; 69:14; 163:3, 5; 201:6
value 116:3; 118:5, 10, 21; 160:18, 19; 180:21
variabilities 81:18
variability 46:14, 16; 81:2, 23; 82:6; 84:20; 215:23
variable 62:3, 16; 165:1; 218:22
variables 46:3, 6; 60:17; 84:22; 165:1
variance 116:7; 140:8, 9
variation 84:23

variety 154:9; 155:23; 220:10
various 9:4; 25:13; 33:23; 69:20; 124:23; 148:12
vary 85:19
vascular 21:18; 22:7; 23:5; 24:2, 12, 25; 25:8, 9, 25; 26:25
Venitz 15:23
venture 71:3
verified 226:11, 12
verify 43:1
versatility 77:24
version 56:21; 61:25
versus 124:22; 160:12, 12; 171:9, 10; 192:10; 205:2
Veterinary 53:17, 19; 55:3, 12
viable 71:22; 136:6
vice 5:9, 11
video 168:24; 209:3
view 65:9, 16; 67:3, 24; 74:18; 134:20; 202:19; 225:3; 238:15
vigorous 19:3
Vilayat 87:10; 91:6
Vince 20:4; 184:25; 203:4; 209:14; 210:5; 211:18
Vincent 4:25
virtually 191:6
visible 60:19
vision 11:21, 25; 34:17, 23; 39:2; 45:15
visit 8:12
vitro 165:16, 18; 176:2
vivo 165:11, 16, 19; 176:2; 196:13
vocabulary 52:10
volume 75:2, 5; 76:13, 15; 77:11, 25; 78:11; 80:18, 18, 20; 160:20
vulnerable 131:24

W

waiting 55:25; 150:3
waiver 6:24
waivers 6:4, 20; 165:10
walk 36:10; 53:7; 111:24
Wallace 23:4, 19
wants 73:1; 173:5
warfarin 205:1
warning 110:15
was-you 139:3
Washington 54:4
water 144:24; 155:4; 182:2; 183:3; 184:6, 6
Watts 55:22
way 18:23; 21:3; 49:16; 60:6; 61:1; 70:23; 71:12;

72:3, 4, 5, 5, 25; 73:24, 25;
78:20; 79:10, 22; 81:3;
86:22; 105:3; 127:6;
131:19; 132:7, 21; 138:20,
79:5, 7; 187:11;
205:4; 208:20;
212:15, 23; 214:1; 221:13;
224:17; 228:16; 230:11;
238:9, 12; 241:3, 10
ways 49:8; 56:23; 59:11,
21; 68:14; 76:11; 79:16;
81:23; 90:18; 134:15
ways-how 60:12
wear 238:7
web 26:23; 27:1; 110:23;
111:14; 124:11; 239:7
Wednesday 15:25;
52:13; 64:16, 19, 25; 84:7
week 39:1; 52:12; 85:15;
112:24
weeks 27:19; 53:22;
148:21
weighed 43:9
weighing 43:11
weight 95:9; 99:8
Welcome 152:25; 168:22
well-designed 48:16
were-and 187:12
weren't 67:3
wet 161:11; 227:25
wheel 64:11
whereas 71:18; 93:22
why 25:10; 60:20
Whereupon 141:7;
241:16
whole 31:12; 44:1; 73:16;
82:22; 114:3; 137:25;
148:10; 200:3; 239:14
wholly 147:11
whose 7:25; 147:11
wider 83:23
Wilkes 4:21
William 6:22
willing 70:22
win-win 40:1; 86:11;
124:6
window 72:19
WINKLE 4:8, 9; 8:3, 7;
20:4, 12; 22:16; 23:13;
27:17
wish 7:25
withdraw 10:2
within 28:7, 10, 13, 17,
19, 25; 30:4; 31:11; 34:9;
36:16, 18, 19, 20; 37:7;
45:5; 55:1; 56:10; 60:16;
82:12; 121:16; 126:1;
171:22; 181:9; 187:4;
191:11; 195:5; 200:8;
203:23; 206:3; 224:18
with 50:24; 56:23, 24;
65:11; 91:5; 114:15, 16;
180:21; 202:2; 230:11
Women's 37:8
wonder 237:23; 241:4

wondered 143:7
wonderful 64:20; 72:7,
12, 24; 76:19; 80:7; 86:19;
114:12; 236:25; 237:1;
241:2
wondering 75:8; 104:15;
105:7
word 65:19; 200:11
wording 236:4, 10
words 73:21; 86:21;
108:16; 154:23; 157:7;
166:2; 167:5; 174:8;
179:23; 198:1; 221:22;
225:6
work 15:14, 15; 19:8, 18;
35:6; 73:13, 13; 108:1;
124:25; 133:18; 134:22;
135:12; 157:24; 175:8;
180:21; 186:25; 199:19;
218:11; 231:23; 232:12;
239:5; 241:6
workable 40:8
worked 36:8; 38:25; 85:3;
133:2; 190:22; 238:16
working 5:18; 13:16, 17;
15:13; 16:24; 18:16;
19:11; 21:21; 22:4, 6, 8,
11; 23:2, 5, 9, 21, 25;
24:22; 25:1, 1; 33:25; 39:6;
55:19; 59:2; 90:21, 23;
91:1, 21; 92:5, 19; 93:13;
94:13; 95:2; 121:15;
137:3, 12; 157:17; 234:15;
236:17
works 23:13; 129:18;
133:14; 233:4
workshop 17:9, 10;
83:24; 88:13; 110:19;
111:8; 185:8; 192:13
workshops 21:23
workup 140:12
worried 86:22
worry 84:21; 137:5;
223:1; 224:24; 225:7;
228:18, 18; 230:16
worst 153:6, 6
worth 70:8
worthwhile 28:5
worthy 26:20; 176:23
wrap 123:15
wrinkle 216:13
write 231:11
written 6:25; 35:5
wrong 179:20
Wu 55:24

X

X 89:25; 177:2
x-ray 156:1, 20; 172:6;
189:14; 190:7; 192:24;
193:2, 23; 194:9; 199:14,
25; 200:4

Y

Y 89:21
year 21:7, 21, 23; 31:11;
32:15; 35:24; 75:3; 87:12;
88:6, 23; 143:4; 192:7, 8;
202:18; 205:25; 237:24
years 9:2; 10:24; 11:17;
66:17; 68:4; 70:7; 72:1;
79:14; 88:6; 98:9; 100:20,
25; 101:2, 5, 13; 129:8, 23;
131:2; 157:17; 165:8;
170:20; 171:1; 188:21;
195:5; 241:8
yes/no 108:12
yesterday 53:7
Yi 113:7
Yu 142:20; 153:10; 169:1,
3; 177:3, 7, 10, 21; 178:12;
179:3, 9; 180:9, 13;
181:14; 182:6; 183:10;
184:20; 209:14; 215:18;
219:18; 221:11; 222:5, 11;
223:19; 224:7, 21; 225:6,
11; 226:9; 230:12; 232:2;
233:20; 234:15; 236:11,
16
Yuan-yuan 54:23; 91:9

Z

zero 130:12

Lawyer's Notes
