

## 7.0 REGISTRY OF CYTOTOXICITY (RC) DATA (ZEBET)

### 7.1 The ZEBET Database

ZEBET was established in Germany in 1989 at the Federal Institute for Consumer Health Protection and Veterinary Medicine (BgVV; <http://www.bgvv.de>). The ZEBET database contains evaluated information from the field of biomedicine and related fields on alternative methods that address the 3Rs concept of research that involves animals: refinement of animal use in experimentation, reduction of animal use, and replacement of animals. The database information was obtained from approximately 800 different documents (e.g., books, journals, monographs, etc.). The RC is part of the database and provides *in vitro* IC50 values as well as acute oral toxicity data (LD50) for rats and mice for 347 chemicals. The LD50 values come from the RTECS database at NIOSH. The ZEBET database also includes data for the 50 chemicals from the MEIC database. The German Institute for Medical Documentation and Information (DIMDI) provides access to the ZEBET database (<http://www.dimdi.de>).

#### 7.1.1 Tables

Table 7.1: IC50 values in ascending order (all RC chemicals)

Table 7.2: Rat LD50 oral values in descending order (all RC chemicals)

Table 7.3: Alphabetical order (all RC chemicals)

Table 7.4: Rat LD50 oral values in descending order (MEIC chemicals)

The acute oral toxicity values are provided in mg/kg and mmol/l for rats and mice. Regression calculation values are in the last column of the data sheets. Rat LD50 values were used for the calculations if they were available; if not, then mouse LD50 values were used.

#### 7.1.2 Figures

Regression calculations between cytotoxicity and acute oral toxicity are illustrated in the figures following the data.

Figure 7.1: Regression between RC values (IC50x) and acute oral LD50 values (MEIC chemicals)

Figure 7.2: Regression between human cell lines (IC50m) and acute oral LD50 values (MEIC chemicals)

#### 7.1.3 German Organizational Names

**ZEBET:** Zentralstelle zur Erfassung und Bewertung von Ersatz- und Ergänzungsmethoden zum Tierversuch  
(*German Centre for the Documentation and Validation of Alternative Methods [at BgVV]*)

**DIMDI:** Deutsches Institut für Medizinische Dokumentation und Information  
(*The German Institute for Medical Documentation and Information*)

**BgVV:** Bundesinstitut für gesundheitlichen Verbraucherschutz und Veterinärmedizin  
(*Federal Institute for Health Protection of Consumers and Veterinary Medicine*)



**Section 7.2**  
**Table 7.1**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by IC50x mmol/l)**

RC #	MEIC #	Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
				ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
1		Trenimon	68-76-8	0.00	0.0000033	NA	NA	NA	NA	231.28	
2		Actinomycin D	50-76-0	0.01	0.0000081	7.2	0.0057	12.6	0.01	1255.6	0.0057
3		Aminopterin	54-62-6	0.01	0.000012	NA	NA	3.0	0.0068	440.47	0.0068
4		Vincristine sulfate	2068-78-2	0.01	0.000015	NA	NA	NA	NA	923.14	
5	K-	Strophantin		0.03	0.000044	NA	NA	NA	NA	710.9	
132		Triphenyltin hydroxide	76-87-9	0.02	0.000049	44.0	0.12	245.9	0.67	367.03	0.12
6		Colchicine	64-86-8	0.02	0.000054	NA	NA	6.0	0.015	399.48	0.015
7		Ouabain	630-60-4	0.04	0.000072	NA	NA	NA	NA	584.73	
133		Cytochalasin D	22144-77-0	0.05	0.000092	NA	NA	36.0	0.071	507.68	0.071
8		Digitoxin	71-63-6	0.08	0.00011	55.8	0.073	NA	NA	765.05	0.073
134		Rotenone	83-79-4	0.05	0.00013	130.2	0.33	351.1	0.89	394.45	0.33
9		Amethopterin	59-05-2	0.06	0.00014	136.4	0.3	145.4	0.32	454.5	0.3
10		Emetine	483-18-1	0.08	0.00016	67.3	0.14	NA	NA	480.71	0.14
135	2,3,7,8-	Tetrachloro-dibenzo-p-dioxin	1746-01-6	0.06	0.0002	NA	NA	0.1	0.00035	321.96	0.00035
11		Doxorubicin * HCl	25316-40-9	0.19	0.00033	NA	NA	696.0	1.2	580.03	1.2
12		Puromycin	53-79-2	0.16	0.00033	NA	NA	674.4	1.43	471.58	1.43
136		Diethyldithiocarbamate sodium* 3H2O	20624-25-3	0.09	0.00039	1500.7	6.66	1500.7	6.66	225.33	6.66
137		Triethyltin chloride	994-31-0	0.11	0.00046	5.1	0.021	NA	NA	241.35	0.021
138		Tributyltin chloride	1461-22-9	0.18	0.00054	120.4	0.37	NA	NA	325.53	0.37
139		Retinol	68-26-8	0.15	0.00054	1999.8	6.98	4011.0	14	286.5	6.98
140	6-	Thioguanine	154-42-7	0.10	0.00057	NA	NA	160.5	0.96	167.21	0.96
13		Cycloheximide	66-81-9	0.17	0.00059	2.0	0.0071	132.3	0.47	281.39	0.0071
141		Cytosine arabinoside	147-94-4	0.17	0.00068	NA	NA	3137.9	12.9	243.25	12.9
142		Methylmercury chloride	115-09-3	0.18	0.00071	NA	NA	57.7	0.23	251.08	0.23
143		Triethylene melamine	51-18-3	0.16	0.00078	1.0	0.005	14.9	0.073	204.27	0.005
14		Mitomycin C	50-07-7	0.28	0.00084	14.0	0.042	17.1	0.051	334.37	0.042
144		Sodium bichromate VI	10588-01-9	0.24	0.00093	49.8	0.19	NA	NA	261.98	0.19
15	8-	Azaganine	134-58-7	0.20	0.0013	NA	NA	1500.1	9.86	152.14	9.86
145		Potassium chromate VI	7789-00-6	0.29	0.0015	NA	NA	180.6	0.93	194.2	0.93
16		Azaserine	115-02-6	0.35	0.002	169.7	0.98	150.6	0.87	173.15	0.98
146		Potassium bichromate VI		0.59	0.002	NA	NA	191.2	0.65	294.2	0.65
147		Mitoxantrone	65271-80-9	1.07	0.0024	586.8	1.32	NA	NA	444.54	1.32
148		Nitrogen mustard * HCl	55-86-7	0.50	0.0026	10.0	0.052	19.3	0.1	192.53	0.052
17	5-	Fluorouracil	51-21-8	0.34	0.0026	230.3	1.77	114.5	0.88	130.09	1.77
149		Chromium VI trioxide	1333-82-0	0.27	0.0027	80.0	0.8	127.0	1.27	100	0.8
150		Cis-platinum	15663-27-1	0.84	0.0028	25.8	0.086	33.0	0.11	300.07	0.086
151		Hexachlorocyclopentadiene	77-47-4	0.85	0.0031	111.8	0.41	NA	NA	272.75	0.41
152	8-	Hydroxyquinoline	148-24-3	0.48	0.0033	1200.6	8.27	NA	NA	145.17	8.27
18		Captan	133-06-2	1.17	0.0039	10009.6	33.3	7003.7	23.3	300.59	33.3

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RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
153	26		Arsenic III trioxide	1327-53-3	0.83	0.0042	19.8	0.1	45.5	0.23	197.84	0.1
154			Maneb	12427-38-2	1.12	0.0042	4500.6	16.9	3994.7	15	266.31	16.9
19			Cytochalasin B	14930-96-2	2.40	0.005	NA	NA	NA	NA	479.67	
155			Benzalkonium chloride	8001-54-5	1.90	0.0052	401.5	1.1	339.5	0.93	365	1.1
156			Stearyltrimethylammoniumchloride	112-03-8	2.09	0.006	NA	NA	536.1	1.54	348.13	1.54
20			Cadmium II chloride	10108-64-2	1.17	0.0064	88.0	0.48	174.1	0.95	183.3	0.48
157	38		Hexachlorophene	70-30-4	3.21	0.0079	61.0	0.15	65.1	0.16	406.89	0.15
21		6-	Mercaptopurine	50-44-2	1.22	0.008	NA	NA	280.0	1.84	152.19	1.84
158			Dichlorophene	97-23-4	2.23	0.0083	2691.3	10	1001.2	3.72	269.13	10
22	6		Digoxin	20830-75-5	6.64	0.0085	NA	NA	18.0	0.023	781.05	0.023
159			Hexadecyltrimethylammoniumbromide	57-09-0	3.24	0.0089	408.3	1.12	NA	NA	364.53	1.12
23			Daraprim	58-14-0	2.21	0.0089	NA	NA	126.9	0.51	248.74	0.51
24			Ethylenediamine-tetraacetic acid	60-00-4	2.92	0.01	NA	NA	NA	NA	292.28	
25			Thio-TEPA	52-24-4	2.08	0.011	NA	NA	37.8	0.2	189.24	0.2
160		N-	Methyl-N'-nitro-N-nitroso- guanidine	70-25-7	1.77	0.012	89.7	0.61	NA	NA	147.12	0.61
26			Kelthane	115-32-2	4.45	0.012	574.2	1.55	418.6	1.13	370.48	1.55
161			Silver I nitrate	7761-88-8	2.21	0.013	NA	NA	49.3	0.29	169.88	0.29
27			Chlorpromazine	50-53-3	4.46	0.014	140.3	0.44	261.5	0.82	318.89	0.44
28			Aldosterone	52-39-1	5.05	0.014	NA	NA	NA	NA	360.44	
29	28		Mercury II chloride	7487-94-7	4.07	0.015	1.0	0.0037	10.0	0.037	271.49	0.0037
162			Chlorhexidine	55-56-1	7.58	0.015	9200.5	18.2	9857.6	19.5	505.52	18.2
30			Sodium arsenate, dibasic	7778-43-0	2.79	0.015	NA	NA	NA	NA	185.91	
31	41		Chloroquine diphosphate	50-63-5	8.77	0.017	969.9	1.88	500.4	0.97	515.92	1.88
164			Oxatomide	60607-34-3	8.11	0.019	1412.1	3.31	9598.7	22.5	426.61	3.31
163			Cetyltrimethylammonium chloride	112-02-7	7.61	0.021	474.4	1.31	NA	NA	362.16	1.31
165			Isoproterenol * HCl	51-30-9	5.45	0.022	2219.8	8.96	NA	NA	247.75	8.96
32			Hydrocortisone	50-23-7	7.98	0.022	NA	NA	NA	NA	362.51	
166			Triisooctylamine	2757-28-0	8.14	0.023	1620.2	4.58	NA	NA	353.76	4.58
167		p,p'	DDD	72-54-8	7.68	0.024	112.0	0.35	NA	NA	320.04	0.35
33		p-	Chloromercuribenzoic acid	59-85-8	8.57	0.024	NA	NA	25.0	0.07	357.16	0.07
34			Diethylstilbestrol	56-53-1	6.71	0.025	NA	NA	NA	NA	268.38	
168			Dicoumarol	66-76-2	9.08	0.027	709.6	2.11	232.1	0.69	336.31	2.11
169			Epinephrine bitartrate	51-42-3	9.33	0.028	NA	NA	4.0	0.012	333.33	0.012
35			Flufenamic acid	530-78-9	8.16	0.029	272.8	0.97	714.4	2.54	281.25	0.97
170	29		Thioridazine * HCl	130-61-0	11.81	0.029	NA	NA	358.2	0.88	407.07	0.88
36			Progesterone	57-83-0	9.44	0.03	NA	NA	NA	NA	314.51	
171			Fumagillin	297-95-0	14.22	0.031	NA	NA	1999.5	4.36	458.6	4.36
37			Aflatoxin B1	1162-65-8	10.62	0.034	5.0	0.016	9.1	0.029	312.29	0.016
172			Nabam	142-59-6	8.97	0.035	394.8	1.54	579.3	2.26	256.34	1.54

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RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
173	39		Pentachlorophenol	87-86-5	9.59	0.036	50.6	0.19	NA	NA	266.32	0.19
174			Ambazone	539-21-9	9.02	0.038	749.9	3.16	999.1	4.21	237.32	3.16
175			Norepinephrine	51-41-2	6.60	0.039	NA	NA	20.3	0.12	169.2	0.12
46			Lead II chloride	7758-95-4	11.96	0.043	NA	NA	NA	NA	278.09	
176			Papaverine	58-74-2	15.27	0.045	325.8	0.96	230.8	0.68	339.42	0.96
177			Busulphan	55-98-1	11.33	0.046	1.9	0.0076	199.5	0.81	246.32	0.0076
178			Salicylanilide	87-17-2	9.81	0.046	NA	NA	2409.7	11.3	213.25	11.3
179			Acrolein	107-02-8	2.64	0.047	46.0	0.82	39.8	0.71	56.07	0.82
180		p-	Phenylenediamine	106-50-3	5.41	0.05	80.0	0.74	NA	NA	108.16	0.74
38			Imipramine * HCl	113-52-0	17.11	0.054	304.2	0.96	374.0	1.18	316.91	0.96
181	30		Thallium I sulfate	7446-18-6	27.26	0.054	NA	NA	28.8	0.057	504.8	0.057
39		2,4-	Dichlorophenol	120-83-2	8.97	0.055	580.3	3.56	1600.7	9.82	163	3.56
182			Triton X-100	9002-93-1	35.59	0.055	1798.7	2.78	NA	NA	647	2.78
183	5		Amitriptyline	50-48-6	15.54	0.056	319.1	1.15	147.0	0.53	277.44	1.15
184			Butylated hydroxytoluene	128-37-0	12.34	0.056	890.4	4.04	1040.2	4.72	220.39	4.04
185			Heptachlor	76-44-8	22.02	0.059	41.1	0.11	67.2	0.18	373.3	0.11
186			Zineb	12122-67-7	16.27	0.059	5211.3	18.9	7610.1	27.6	275.73	18.9
40			Chlordan	57-74-9	24.59	0.06	458.9	1.12	NA	NA	409.76	1.12
41			Chloroquine sulfate	132-73-0	25.08	0.06	1086.8	2.6	NA	NA	418	2.6
42		p-	Aminophenol	23-30-8	6.77	0.062	1658.9	15.2	NA	NA	109.14	15.2
187		4-	Hexylresorcinol	136-77-6	12.44	0.064	549.9	2.83	NA	NA	194.3	2.83
43			Aldrin	309-00-2	24.45	0.067	40.1	0.11	43.8	0.12	364.9	0.11
44			Hydroxyzine * HCl	1244-76-4	27.56	0.067	950.4	2.31	NA	NA	411.41	2.31
188		t-	Butyl hydroquinone	1948-33-0	11.47	0.069	799.6	4.81	1000.8	6.02	166.24	4.81
189			Antimycin	11118-72-2	17.52	0.07	NA	NA	112.6	0.45	250.27	0.45
45			Quinine * HCl	130-89-2	27.07	0.075	620.8	1.72	1158.6	3.21	360.92	1.72
190			Chlorambucil	305-03-3	23.12	0.076	76.1	0.25	100.4	0.33	304.24	0.25
191			Dimenhydrinate	523-87-5	35.72	0.076	1320.8	2.81	202.1	0.43	470.02	2.81
192		1,3-	Bis(2-chloroethyl)- 1-nitrosoarea	154-93-8	16.70	0.078	19.9	0.093	19.1	0.089	214.07	0.093
193		5-	Azacytidine	320-67-2	19.29	0.079	NA	NA	571.5	2.34	244.24	2.34
47			Naftipramide	1505-95-9	25.07	0.084	1029.7	3.45	1086.4	3.64	298.47	3.45
48			Mefenamic acid	61-68-7	20.99	0.087	789.1	3.27	629.8	2.61	241.31	3.27
49			Parathion	56-38-2	27.09	0.093	2.0	0.0069	6.1	0.021	291.28	0.0069
194		p-	Toluyldiamine	95-70-5	11.49	0.094	101.4	0.83	NA	NA	122.19	0.83
50			Trypan blue	72-57-1	91.66	0.095	6204.2	6.43	NA	NA	964.88	6.43
195		p,p'	DDA	83-05-6	27.83	0.099	NA	NA	590.4	2.1	281.14	2.1
196	40		VerapamilHCl	152-11-4	49.11	0.1	108.0	0.22	162.1	0.33	491.13	0.22
197		p,p'	DDE	72-55-9	31.80	0.1	880.9	2.77	NA	NA	318.02	2.77
51			Disulfoton	298-04-4	30.19	0.11	2.0	0.0073	5.5	0.02	274.42	0.0073

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RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
198			Ioxynil	1689-83-4	40.80	0.11	111.3	0.3	NA	NA	370.91	0.3
199			Cupric chloride	7447-39-4	14.79	0.11	139.8	1.04	189.6	1.41	134.44	1.04
200			Dimethylaminoethyl methacrylate (polymer)	2867-47-2	17.30	0.11	1745.4	11.1	NA	NA	157.24	11.1
52			all-trans-Retinoic acid	302-79-4	33.05	0.11	2001.2	6.66	NA	NA	300.48	6.66
53	43		Quinidine sulfate	50-54-4	50.70	0.12	456.3	1.08	595.8	1.41	422.54	1.08
202			Formaldehyde	50-00-0	3.60	0.12	798.8	26.6	NA	NA	30.03	26.6
54	23		Propranolol * HCl	318-98-9	35.50	0.12	NA	NA	470.4	1.59	295.84	1.59
201		13-cis-	Retinoic acid	4759-48-2	36.06	0.12	NA	NA	3395.4	11.3	300.48	11.3
55			Zinc II chloride	7646-85-7	17.72	0.13	350.2	2.57	350.2	2.57	136.27	2.57
56			Manganese IIchloride *4 H2O	13446-34-9	25.73	0.13	1484.4	7.5	NA	NA	197.92	7.5
57		L-	Dopa	59-92-7	25.64	0.13	1780.8	9.03	2366.5	12	197.21	9.03
204			Azathioprine	446-86-6	38.82	0.14	535.2	1.93	1389.2	5.01	277.29	1.93
58			Dihydralazine sulfate	7327-87-9	40.36	0.14	818.8	2.84	400.8	1.39	288.32	2.84
59			Tetracycline * HCl	64-75-5	67.33	0.14	6444.6	13.4	NA	NA	480.94	13.4
203			Thallium I acetate	563-68-8	36.88	0.14	NA	NA	34.2	0.13	263.42	0.13
205			Versalide	88-29-9	38.77	0.15	315.3	1.22	NA	NA	258.44	1.22
60			Indomethacin	53-86-1	57.25	0.16	12.2	0.034	19.0	0.053	357.81	0.034
62			Cobalt II chloride	7646-79-9	20.77	0.16	80.5	0.62	80.5	0.62	129.83	0.62
61		p,p'	DDT	50-29-3	56.72	0.16	113.4	0.32	134.7	0.38	354.48	0.32
206			Diquat dibromide	85-00-7	55.05	0.16	230.5	0.67	234.0	0.68	344.08	0.67
63	4		Diazepam	439-14-5	45.56	0.16	709.1	2.49	535.3	1.88	284.76	2.49
207			Dieldrin	60-57-1	68.56	0.18	45.7	0.12	38.1	0.1	380.9	0.12
64			Bendiocarb	22781-23-3	40.19	0.18	178.6	0.8	NA	NA	223.25	0.8
208			Undecylenic acid	112-38-9	33.18	0.18	2506.6	13.6	8496.7	46.1	184.31	13.6
209			Propylparaben	94-13-3	32.44	0.18	NA	NA	6325.7	35.1	180.22	35.1
65			Oxyphenbutazone	129-20-4	61.64	0.19	999.2	3.08	480.1	1.48	324.41	3.08
66			Cortisone	53-06-5	68.49	0.19	NA	NA	NA	NA	360.49	
210		p-	Nitrophenol	100-02-7	27.82	0.2	350.6	2.52	467.4	3.36	139.12	2.52
67	15		Malathion	121-75-5	66.08	0.2	885.4	2.68	776.4	2.35	330.38	2.68
211			Catechol	120-80-9	22.02	0.2	3887.2	35.3	259.9	2.36	110.12	35.3
68		2,4-	Dinitrophenol	51-28-5	38.67	0.21	29.5	0.16	44.2	0.24	184.12	0.16
69			Secobarbital sodium	309-43-3	54.66	0.21	124.9	0.48	NA	NA	260.3	0.48
212		p-	Cresol	106-44-5	23.79	0.22	206.6	1.91	343.9	3.18	108.15	1.91
70	49		Atropine sulfate	55-48-1	148.92	0.22	622.7	0.92	764.9	1.13	676.9	0.92
213			Ammonium persulfate	7727-54-0	52.49	0.23	819.3	3.59	NA	NA	228.22	3.59
214			Thymol	89-83-8	34.56	0.23	979.6	6.52	1802.9	12	150.24	6.52
71			Diphenhydramine * HCl	147-24-0	70.04	0.24	855.1	2.93	113.8	0.39	291.85	2.93
72			Butylated hydroxyanisole	8003-24-5	43.26	0.24	2199.3	12.2	2001.0	11.1	180.27	12.2
215			Chlorotetracycline	57-62-5	114.94	0.24	NA	NA	2500.0	5.22	478.92	5.22

**Section 7.2**  
**Table 7.1**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by IC50x mmol/l)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
216			Refortan		78.28	0.25	3162.3	10.1	NA	NA	313.1	10.1
73			Carbaryl	63-25-2	52.32	0.26	249.5	1.24	438.7	2.18	201.24	1.24
74			Nickel II chloride	7718-54-9	34.99	0.27	105.0	0.81	NA	NA	129.61	0.81
75			Trichlorfon	52-68-6	69.51	0.27	450.5	1.75	298.6	1.16	257.44	1.75
76			Sodium dodecyl sulfate	151-21-3	78.15	0.27	1288.0	4.45	NA	NA	289.43	4.45
77			Cinchophen	132-60-5	67.31	0.27	NA	NA	NA	NA	249.28	
217			Amrinone	60719-84-8	52.42	0.28	101.1	0.54	288.3	1.54	187.22	0.54
218		o-	Phenylenediamine	95-54-5	33.53	0.31	1069.7	9.89	NA	NA	108.16	9.89
78		6-	Methylcoumarin	92-48-8	49.66	0.31	1681.9	10.5	NA	NA	160.18	10.5
79			Phenylbutazone	50-33-9	98.69	0.32	376.3	1.22	441.0	1.43	308.41	1.22
80		2-	Thiouracil	141-90-2	41.01	0.32	999.6	7.8	NA	NA	128.16	7.8
219			Hydralazine	86-54-4	52.87	0.33	89.7	0.56	121.8	0.76	160.2	0.56
81	27		Cupric sulfate * 5 H2O	7758-99-8	82.40	0.33	299.6	1.2	NA	NA	249.7	1.2
238			Imidazolidinyl urea	39236-46-9	100.17	0.36	2598.9	9.34	3700.9	13.3	278.26	9.34
220		m-	Dinitrobenzene	99-65-0	65.57	0.39	82.4	0.49	NA	NA	168.12	0.49
221		2-	Nitro-p-phenylene-diamine	5307-14-2	59.73	0.39	3078.5	20.1	NA	NA	153.16	20.1
82	44		Diphenylhydantoin	57-41-0	98.39	0.39	NA	NA	199.3	0.79	252.29	0.79
222			Glibenclamide	10238-21-8	197.62	0.4	NA	NA	3250.8	6.58	494.05	6.58
223	32		Lindane	58-89-9	119.24	0.41	75.6	0.26	87.2	0.3	290.82	0.26
224		n-	Butyl benzoate	136-60-7	73.08	0.41	5133.6	28.8	NA	NA	178.25	28.8
225			Ammonium sulfide	12135-76-1	21.47	0.42	168.2	3.29	NA	NA	51.12	3.29
226			Dodecylbenzene sodiumsulfonate	25155-30-0	146.38	0.42	1261.6	3.62	2000.5	5.74	348.52	3.62
227	46		Sodium oxalate	62-76-0	58.96	0.44	155.4	1.16	NA	NA	134	1.16
228		2,4,5-	Trichlorophen- oxyacetic acid	93-76-5	112.41	0.44	298.9	1.17	388.3	1.52	255.48	1.17
229	22		Dextropropoxyphene * HCl	1639-60-7	184.23	0.49	82.7	0.22	82.7	0.22	375.98	0.22
230	42		Orphenadrine * HCl	341-69-5	149.88	0.49	425.2	1.39	125.4	0.41	305.88	1.39
231			Tween 80	9005-65-6	641.90	0.49	NA	NA	25021.0	19.1	1310	19.1
232		o-	Cresol	95-48-7	56.24	0.52	121.1	1.12	343.9	3.18	108.15	1.12
233			Ibuprofen	15687-27-1	107.28	0.52	1008.9	4.89	980.0	4.75	206.31	4.89
234			Phenylthiourea	103-85-5	82.20	0.54	3.0	0.02	10.0	0.066	152.23	0.02
235	25		Paraquat	4685-14-7	100.58	0.54	57.7	0.31	195.6	1.05	186.25	0.31
83			Thiopental	76-75-5	133.30	0.55	NA	NA	601.1	2.48	242.37	2.48
84			Amobarbital	57-43-2	126.73	0.56	NA	NA	344.0	1.52	226.31	1.52
236			Hydrogen peroxide 90%	7722-84-1	19.05	0.56	NA	NA	2000.4	58.8	34.02	58.8
85			Metamizol	68-89-3	193.94	0.58	7189.2	21.5	NA	NA	334.38	21.5
237			Beryllium II sulfate	13510-49-1	64.09	0.61	82.0	0.78	79.9	0.76	105.07	0.78
239		m-	Cresol	108-39-4	71.38	0.66	242.3	2.24	828.4	7.66	108.15	2.24
240			Pentoxifylline	6493-05-6	183.71	0.66	NA	NA	1386.2	4.98	278.35	4.98
86	31		Warfarin	81-81-2	206.59	0.67	323.8	1.05	373.1	1.21	308.35	1.05

**Section 7.2**  
**Table 7.1**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by IC50x mmol/l)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
241			Sodium azide	26628-22-8	46.16	0.71	44.9	0.69	27.3	0.42	65.02	0.69
87			Pentobarbital sodium	57-33-0	176.29	0.71	201.1	0.81	280.6	1.13	248.29	0.81
242		1,2,4-	Trichlorobenzene	120-82-1	128.82	0.71	756.6	4.17	765.7	4.22	181.44	4.17
243		p-	Anisidine	104-94-9	89.91	0.73	1404.1	11.4	NA	NA	123.17	11.4
244			Doxylamine succinate	562-10-7	291.38	0.75	NA	NA	470.1	1.21	388.51	1.21
88			Dibutyl phthalate	84-74-2	211.57	0.76	11998.2	43.1	NA	NA	278.38	43.1
89	16	2,4-	Dichlorophenoxy- acetic acid	94-75-7	170.20	0.77	369.1	1.67	366.9	1.66	221.04	1.67
90			Iproniazid	54-92-2	141.61	0.79	365.7	2.04	681.2	3.8	179.25	2.04
91	45		Chloramphenicol	56-75-7	255.29	0.79	3393.1	10.5	2640.1	8.17	323.15	10.5
245			Resorcinol	108-46-3	88.10	0.8	300.6	2.73	NA	NA	110.12	2.73
246	37		Barium II nitrate	10022-31-8	211.70	0.81	355.4	1.36	NA	NA	261.36	1.36
247		(+)	Thalidomide	731-40-8	209.18	0.81	NA	NA	400.3	1.55	258.25	1.55
92			Di(2-ethylhexyl)phthalate	117-81-7	328.12	0.84	31015.2	79.4	29999.6	76.8	390.62	79.4
93			Sulfisoxazole	127-69-5	227.23	0.85	NA	NA	6790.2	25.4	267.33	25.4
248		m-	Aminophenol	591-27-5	93.86	0.86	1658.9	15.2	NA	NA	109.14	15.2
94			Menthol	89-78-1	148.49	0.95	3172.9	20.3	NA	NA	156.3	20.3
249		3-	Cyano-2-morpholino-5-(pyrid-4-yl)-pyridine (Chemical 122)		255.66	0.96	346.2	1.3	NA	NA	266.31	1.3
250			Valproate sodium	1069-66-5	166.22	1	NA	NA	1695.4	10.2	166.22	10.2
251			Scopolamine * HBr	6533-68-2	415.05	1.08	1268.2	3.3	1879.3	4.89	384.31	3.3
95			Salicylamide	65-45-2	148.12	1.08	1892.7	13.8	1398.9	10.2	137.15	13.8
252	19		Potassium cyanide	151-50-8	72.93	1.12	9.8	0.15	8.5	0.13	65.12	0.15
96			Cygon	60-51-5	284.29	1.24	151.3	0.66	59.6	0.26	229.27	0.66
97			Phenacetin	62-44-2	227.63	1.27	1650.8	9.21	1220.6	6.81	179.24	9.21
253			Isoxepac	55453-87-7	356.81	1.33	198.5	0.74	NA	NA	268.28	0.74
254			Buflomedil	55837-25-7	415.03	1.35	365.8	1.19	NA	NA	307.43	1.19
98			Methylparaben	99-76-3	216.07	1.42	NA	NA	1749.8	11.5	152.16	11.5
255			Sodium monochloroacetate	3926-62-3	168.90	1.45	75.7	0.65	NA	NA	116.48	0.65
99			Nalidixic acid	389-08-2	348.39	1.5	1349.4	5.81	571.4	2.46	232.26	5.81
256			Tin II chloride	7772-99-8	286.28	1.51	699.6	3.69	1200.1	6.33	189.59	3.69
257			Isononylaldehyde	5435-64-3	216.25	1.52	3243.8	22.8	NA	NA	142.27	22.8
100		L-	Ascorbic acid	50-81-7	267.73	1.52	11907.1	67.6	3364.3	19.1	176.14	67.6
101			Glutethimide	77-21-4	338.97	1.56	599.7	2.76	360.7	1.66	217.29	2.76
102			Acrylamide	79-06-1	114.45	1.61	169.9	2.39	169.9	2.39	71.09	2.39
258			Diethyl sebacate	110-40-7	421.19	1.63	14470.4	56	NA	NA	258.4	56
259			Methyl salicylate	119-36-8	258.67	1.7	887.1	5.83	NA	NA	152.16	5.83
260			Coumarin	91-64-5	249.92	1.71	292.3	2	195.8	1.34	146.15	2
103	18		Nicotine	54-11-5	290.45	1.79	50.3	0.31	24.3	0.15	162.26	0.31
104			Tolbutamide	64-77-7	489.39	1.81	NA	NA	2601.1	9.62	270.38	9.62
105	21		Theophylline	58-55-9	329.75	1.83	NA	NA	600.0	3.33	180.19	3.33



**Section 7.2**  
**Table 7.1**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by IC50x mmol/l)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
106	14		Sodium I fluoride	7681-49-4	77.68	1.85	180.1	4.29	NA	NA	41.99	4.29
261	3		Ferrous sulfate	7720-78-7	281.03	1.85	319.0	2.1	978.3	6.44	151.91	2.1
262	47		Amphetamine sulfate	60-13-9	726.02	1.97	55.3	0.15	24.0	0.065	368.54	0.15
107	2		Acetylsalicylic acid	50-78-2	408.99	2.27	999.9	5.55	814.4	4.52	180.17	5.55
108			Gibberellic acid	77-06-5	796.74	2.3	6304.7	18.2	NA	NA	346.41	18.2
109			Frusemide	54-31-9	770.67	2.33	2599.8	7.86	4597.6	13.9	330.76	7.86
110			Acrylonitrile	107-13-1	128.43	2.42	81.7	1.54	27.1	0.51	53.07	1.54
263			Acetaldehyde	75-07-0	107.95	2.45	1929.8	43.8	NA	NA	44.06	43.8
111			Clofibrilic acid	882-09-7	560.26	2.61	1249.3	5.82	1169.9	5.45	214.66	5.82
112	48		Caffeine	58-08-2	512.74	2.64	192.3	0.99	619.6	3.19	194.22	0.99
264			Chloral hydrate	302-17-0	438.31	2.65	479.7	2.9	1101.6	6.66	165.4	2.9
113	1		Acetaminophen	103-90-2	409.70	2.71	2403.8	15.9	338.6	2.24	151.18	15.9
265			Streptomycin sulfate	298-39-5	3979.25	2.73	NA	NA	495.6	0.34	1457.6	0.34
114			Natulan * HCl	366-70-1	706.37	2.74	783.7	3.04	NA	NA	257.8	3.04
266			Potassium hexacyanoferrate III	13746-66-2	928.54	2.82	NA	NA	2970.0	9.02	329.27	9.02
267		p-	Hydroxybenzoic acid	99-96-7	403.34	2.92	NA	NA	2196.3	15.9	138.13	15.9
115	12		Phenol	108-95-2	283.30	3.01	414.1	4.4	300.2	3.19	94.12	4.4
268		1-	Octanol	111-87-5	398.60	3.06	NA	NA	1784.6	13.7	130.26	13.7
116			Cyclophosphamide * H2O	6055-19-2	870.89	3.12	94.9	0.34	136.8	0.49	279.13	0.34
269			Potassium I fluoride	7789-23-3	181.85	3.13	245.2	4.22	NA	NA	58.1	4.22
117			Di(2-ethylhexyl)adipate	103-23-1	1167.52	3.15	9117.7	24.6	NA	NA	370.64	24.6
270			Propionaldehyde	123-38-6	188.79	3.25	1411.6	24.3	NA	NA	58.09	24.3
271			Styrene	100-42-5	343.73	3.3	4999.7	48	315.6	3.03	104.16	48
272			Salicylic acid	69-72-7	466.88	3.38	890.9	6.45	479.3	3.47	138.13	6.45
273			Bromobenzene	108-86-1	543.29	3.46	2700.7	17.2	NA	NA	157.02	17.2
274		L-	Cysteine	52-90-4	431.37	3.56	NA	NA	660.4	5.45	121.17	5.45
275			Nitrilotriacetic acid	139-13-9	690.09	3.61	1470.0	7.69	3154.1	16.5	191.16	7.69
276			Ambuphylline	5634-34-4	988.51	3.67	NA	NA	600.7	2.23	269.35	2.23
118	24		Phenobarbital	50-06-6	884.91	3.81	162.6	0.7	167.2	0.72	232.26	0.7
277			Potassium cyanate	590-28-3	335.84	4.14	NA	NA	843.6	10.4	81.12	10.4
278			Phenylephrine * HCl	939-38-8	847.35	4.16	350.3	1.72	120.2	0.59	203.69	1.72
279			Thioacetamide	62-55-5	313.33	4.17	301.3	4.01	NA	NA	75.14	4.01
280			Theophylline sodium acetate	8002-89-9	1098.74	4.19	582.2	2.22	NA	NA	262.23	2.22
281		1,2-	Dibromomethane	106-93-4	730.17	4.2	107.8	0.62	NA	NA	173.85	0.62
119			Sodium salicylate	54-21-7	693.28	4.33	1599.5	9.99	899.8	5.62	160.11	9.99
282		(-)	Phenylephrine	59-42-7	744.17	4.45	349.5	2.09	NA	NA	167.23	2.09
283			Milrinone	78415-72-2	1007.61	4.77	90.8	0.43	137.3	0.65	211.24	0.43
120		5-	Aminosalicilic acid	89-57-6	776.47	5.07	NA	NA	7749.4	50.6	153.15	50.6
121			Aminophenazone	58-15-1	1246.87	5.39	999.3	4.32	358.6	1.55	231.33	4.32

**Section 7.2**  
**Table 7.1**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by IC50x mmol/l)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
284			Ammonium chloride	12125-02-9	295.32	5.52	1647.8	30.8	NA	NA	53.5	30.8
122			Diethyl phthalate	84-66-2	1226.88	5.52	8601.5	38.7	6178.8	27.8	222.26	38.7
285			Caffeine sodium benzoate	8000-95-1	1918.33	5.67	859.4	2.54	798.5	2.36	338.33	2.54
286			Benzylpenicillin sodium	69-57-8	2042.17	5.73	6914.2	19.4	NA	NA	356.4	19.4
287			Benzylalcohol	100-51-6	628.35	5.81	1232.9	11.4	1579.0	14.6	108.15	11.4
288		1-	Heptanol	111-70-6	726.44	6.25	3254.4	28	1499.4	12.9	116.23	28
289			Tetrachloroethene	127-18-4	1084.46	6.54	8854.8	53.4	8092.0	48.8	165.82	53.4
290			Sodium sulfite	7757-83-7	854.55	6.78	NA	NA	820.5	6.51	126.04	6.51
291			Aniline	62-53-3	642.67	6.9	439.6	4.72	439.6	4.72	93.14	4.72
292			Allyl alcohol	107-18-6	403.14	6.94	63.9	1.1	95.8	1.65	58.09	1.1
293			Diisopropylamine dichloroacetate	660-27-5	1611.12	7	NA	NA	1700.9	7.39	230.16	7.39
123	35		Isoniazid	54-85-3	1027.33	7.49	650.1	4.74	NA	NA	137.16	4.74
294			Trichloroacetic acid	76-03-9	1338.08	8.19	4999.4	30.6	5636.6	34.5	163.38	30.6
295		2,5-	Hexanedione	110-13-4	964.65	8.45	2705.6	23.7	NA	NA	114.16	23.7
124			Acetazolamide	59-66-5	1886.99	8.49	NA	NA	4289.6	19.3	222.26	19.3
125	34		Carbon tetrachloride	56-23-5	1308.92	8.51	2799.3	18.2	12797.0	83.2	153.81	18.2
296			Homatropine methylbromide	80-49-9	3332.97	9	1199.9	3.24	1399.8	3.78	370.33	3.24
297	11	1,1,1-	Trichloroethane	71-55-6	1374.02	10.3	10298.5	77.2	11245.6	84.3	133.4	77.2
298			Dichloroacetic acid	79-43-6	1482.81	11.5	2823.8	21.9	5518.6	42.8	128.94	21.9
299			Imidazole	288-32-4	783.04	11.5	NA	NA	1879.3	27.6	68.09	27.6
300			Antipyrine	60-80-0	2183.70	11.6	1799.7	9.56	1699.9	9.03	188.25	9.56
301	17		Xylene	1330-20-7	1274.16	12	4300.3	40.5	NA	NA	106.18	40.5
302			Nitrobenzene	98-95-3	1502.06	12.2	640.2	5.2	NA	NA	123.12	5.2
304			Calcium II chloride	10043-52-4	1376.15	12.4	999.9	9.01	NA	NA	110.98	9.01
303			Theophylline sodium	3485-82-3	2519.43	12.4	NA	NA	445.0	2.19	203.18	2.19
305		n-	Butanal	123-72-8	923.14	12.8	2488.1	34.5	NA	NA	72.12	34.5
306			Anisole	100-66-3	1427.58	13.2	3698.7	34.2	NA	NA	108.15	34.2
307		2-	Ethylbutanal	97-96-1	1322.38	13.2	3977.1	39.7	NA	NA	100.18	39.7
308	33		Chloroform	67-66-3	1599.56	13.4	908.4	7.61	35.8	0.3	119.37	7.61
309			Isobutanal	78-84-2	973.62	13.5	2812.7	39	NA	NA	72.12	39
126			Triethyl citrate	77-93-0	4061.90	14.7	6990.9	25.3	NA	NA	276.32	25.3
310			Tributylamine	102-82-9	2855.16	15.4	539.5	2.91	NA	NA	185.4	2.91
311		1-	Hexanol	111-27-3	1573.88	15.4	719.5	7.04	1952.0	19.1	102.2	7.04
312			Benzoic acid	65-85-0	1917.44	15.7	2528.1	20.7	2369.3	19.4	122.13	20.7
313			Xanthinol nicotinate	437-74-1	6865.26	15.8	14121.6	32.5	17336.9	39.9	434.51	32.5
314			Saccharin	81-07-2	3004.32	16.4	NA	NA	17000.0	92.8	183.19	92.8
315			Isobenzoic furano dione		2518.04	17	4014.1	27.1	1999.6	13.5	148.12	27.1
316			Toluene	108-88-3	1575.77	17.1	5003.7	54.3	NA	NA	92.15	54.3
317			Barbital sodium	144-02-5	3835.32	18.6	NA	NA	800.1	3.88	206.2	3.88

**Section 7.2**  
**Table 7.1**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by IC50x mmol/l)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
318			Trifluoroacetic acid	76-05-1	2337.62	20.5	199.6	1.75	NA	NA	114.03	1.75
127			Dimethyl phthalate	131-11-3	4544.28	23.4	6894.1	35.5	7204.8	37.1	194.2	35.5
319			Methylpentinol	77-75-8	2336.21	23.8	NA	NA	525.2	5.35	98.16	5.35
320		N,N-	Dimethylacetamide	127-19-5	2108.79	24.2	5089.0	58.4	4618.4	53	87.14	58.4
321			Acetic acid	64-19-7	1459.46	24.3	3309.3	55.1	4961.0	82.6	60.06	55.1
322		1-	Pentanol	71-41-0	2195.43	24.9	3033.0	34.4	200.1	2.27	88.17	34.4
323			Urethan	51-79-6	2307.95	25.9	NA	NA	2504.0	28.1	89.11	28.1
324		2-	Butoxyethanol	111-76-2	3073.20	26	1477.5	12.5	1229.3	10.4	118.2	12.5
325			Cyclohexanol	108-93-0	2634.73	26.3	2063.7	20.6	NA	NA	100.18	20.6
326			Halothane	151-67-7	6138.83	31.1	5684.8	28.8	NA	NA	197.39	28.8
327	20		Lithium I sulfate	10377-48-7	3704.98	33.7	NA	NA	1187.4	10.8	109.94	10.8
328	36		Dichloromethane	75-09-2	2964.06	34.9	1596.7	18.8	NA	NA	84.93	18.8
329			Sodium cyclamate	139-05-9	7123.90	35.4	15254.0	75.8	17004.8	84.5	201.24	75.8
330			Sulfuric acid	7664-93-9	3530.88	36	2138.1	21.8	NA	NA	98.08	21.8
331			Strontium II chloride	10476-85-4	5770.13	36.4	2251.0	14.2	3107.0	19.6	158.52	14.2
332		1,4-	Dioxane	123-91-1	3357.37	38.1	4203.3	47.7	5701.4	64.7	88.12	47.7
333			Lithium I chloride	7447-41-8	1636.25	38.6	758.8	17.9	1165.7	27.5	42.39	17.9
334			Isobutanol	78-83-1	2973.01	40.1	2461.4	33.2	NA	NA	74.14	33.2
335			Potassium hexacyano- ferrate II	13943-58-3	15582.05	42.3	6409.6	17.4	5009.8	13.6	368.37	17.4
336			Nicotinamide	98-92-0	5423.02	44.4	3505.4	28.7	NA	NA	122.14	28.7
337			Pyridine	110-86-1	3710.26	46.9	893.9	11.3	NA	NA	79.11	11.3
338		1-	Butanol	71-36-3	3892.35	52.5	793.3	10.7	NA	NA	74.14	10.7
339		1-	Nitropropane	79-46-9	5159.47	57.9	455.4	5.11	NA	NA	89.11	5.11
340			Diethylene glycol	111-46-6	6591.29	62.1	14753.5	139	23669.2	223	106.14	139
341			Lactic acid	598-82-3	5945.94	66	3729.7	41.4	4873.9	54.1	90.09	41.4
342			Piperazine	110-85-0	5789.95	67.2	1904.1	22.1	1438.9	16.7	86.16	22.1
343			Magnesium II chloride * 6 H2O	7791-18-6	14314.43	70.4	8092.5	39.8	NA	NA	203.33	39.8
344	13		Sodium chloride	7647-14-5	4435.60	75.9	2998.0	51.3	3997.3	68.4	58.44	51.3
345			Sodium I bromide	7647-15-6	8120.81	77.4	3504.3	33.4	6998.2	66.7	104.92	33.4
346	50		Potassium I chloride	7447-40-7	6113.10	82	2601.8	34.9	1498.5	20.1	74.55	34.9
347			Thiourea	62-56-6	6547.18	86	124.9	1.64	8526.6	112	76.13	1.64
348		1-	Propanol	71-23-8	5800.62	96.5	5397.9	89.8	NA	NA	60.11	89.8
349			Ethyl methyl ketone	78-93-3	7500.48	104	3396.9	47.1	NA	NA	72.12	47.1
350			Tetrahydrofurfuryl alcohol	97-99-4	11338.65	111	2502.7	24.5	2298.4	22.5	102.15	24.5
351			Dimethylformamide	68-12-2	8334.54	114	2800.1	38.3	3750.5	51.3	73.11	38.3
352		1,2,6-	Hexanetriol	106-69-4	16506.60	123	15969.8	119	NA	NA	134.2	119
353			Ethyl acetate	141-78-6	11279.36	128	11015.0	125	NA	NA	88.12	125
128	10	2-	Propanol	67-63-0	10038.37	167	5842.7	97.2	NA	NA	60.11	97.2
354		1,3,5-	Trioxane	110-88-3	19189.17	213	800.0	8.88	NA	NA	90.09	8.88

## Section 7.2

Table 7.1

Chemical Data from the Registry of Cytotoxicity Database (Sorted by IC50x mmol/l)

RC #	MEIC #	Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
				ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
355		D-Glucose	50-99-7	40720.68	226	25765.7	143	NA	NA	180.18	143
356		2-Methoxyethanol	109-86-4	19103.61	251	2458.4	32.3	NA	NA	76.11	32.3
129		Dimethyl sulfoxide	75-18-3	19691.28	252	19691.3	252	16487.5	211	78.14	252
357		Propylene glycol	57-55-6	26029.62	342	20016.9	263	23974.7	315	76.11	263
358		Acetonitrile	75-05-8	15110.08	368	3798.1	92.5	NA	NA	41.06	92.5
130	9	Ethanol	64-17-5	17464.32	379	14008.3	304	7787.5	169	46.08	304
359		Acetone	67-64-1	25791.96	444	9759.1	168	NA	NA	58.09	168
360	7	Ethylene glycol	107-21-1	34454.40	555	8567.0	138	7511.7	121	62.08	138
131		Glycerol	56-81-5	57476.64	624	12619.1	137	25975.0	282	92.11	137
361	8	Methanol	67-56-1	29806.50	930	13012.3	406	NA	NA	32.05	406

**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
29	28		Mercury II chloride	7487-94-7	4.07	0.015	1.0	0.0037	10.0	0.037	271.49	0.0037
143			Triethylene melamine	51-18-3	0.16	0.00078	1.0	0.005	14.9	0.073	204.27	0.005
177			Busulphan	55-98-1	11.33	0.046	1.9	0.0076	199.5	0.81	246.32	0.0076
13			Cycloheximide	66-81-9	0.17	0.00059	2.0	0.0071	132.3	0.47	281.39	0.0071
51			Disulfoton	298-04-4	30.19	0.11	2.0	0.0073	5.5	0.02	274.42	0.0073
49			Parathion	56-38-2	27.09	0.093	2.0	0.0069	6.1	0.021	291.28	0.0069
234			Phenylthiourea	103-85-5	82.20	0.54	3.0	0.02	10.0	0.066	152.23	0.02
37			Aflatoxin B1	1162-65-8	10.62	0.034	5.0	0.016	9.1	0.029	312.29	0.016
137			Triethyltin chloride	994-31-0	0.11	0.00046	5.1	0.021	NA	NA	241.35	0.021
2			Actinomycin D	50-76-0	0.01	0.0000081	7.2	0.0057	12.6	0.01	1255.6	0.0057
252	19		Potassium cyanide	151-50-8	72.93	1.12	9.8	0.15	8.5	0.13	65.12	0.15
148			Nitrogen mustard * HCl	55-86-7	0.50	0.0026	10.0	0.052	19.3	0.1	192.53	0.052
60			Indomethacin	53-86-1	57.25	0.16	12.2	0.034	19.0	0.053	357.81	0.034
14			Mitomycin C	50-07-7	0.28	0.00084	14.0	0.042	17.1	0.051	334.37	0.042
153	26		Arsenic III trioxide	1327-53-3	0.83	0.0042	19.8	0.1	45.5	0.23	197.84	0.1
192		1,3-	Bis(2-chloroethyl)- 1-nitrosourea	154-93-8	16.70	0.078	19.9	0.093	19.1	0.089	214.07	0.093
150			Cis-platinum	15663-27-1	0.84	0.0028	25.8	0.086	33.0	0.11	300.07	0.086
68		2,4-	Dinitrophenol	51-28-5	38.67	0.21	29.5	0.16	44.2	0.24	184.12	0.16
43			Aldrin	309-00-2	24.45	0.067	40.1	0.11	43.8	0.12	364.9	0.11
185			Heptachlor	76-44-8	22.02	0.059	41.1	0.11	67.2	0.18	373.3	0.11
132			Triphenyltin hydroxide	76-87-9	0.02	0.000049	44.0	0.12	245.9	0.67	367.03	0.12
241			Sodium azide	26628-22-8	46.16	0.71	44.9	0.69	27.3	0.42	65.02	0.69
207			Dieldrin	60-57-1	68.56	0.18	45.7	0.12	38.1	0.1	380.9	0.12
179			Acrolein	107-02-8	2.64	0.047	46.0	0.82	39.8	0.71	56.07	0.82
144			Sodium bichromate VI	10588-01-9	0.24	0.00093	49.8	0.19	NA	NA	261.98	0.19
103	18		Nicotine	54-11-5	290.45	1.79	50.3	0.31	24.3	0.15	162.26	0.31
173	39		Pentachlorophenol	87-86-5	9.59	0.036	50.6	0.19	NA	NA	266.32	0.19
262	47		Amphetamine sulfate	60-13-9	726.02	1.97	55.3	0.15	24.0	0.065	368.54	0.15
8			Digitoxin	71-63-6	0.08	0.00011	55.8	0.073	NA	NA	765.05	0.073
235	25		Paraquat	4685-14-7	100.58	0.54	57.7	0.31	195.6	1.05	186.25	0.31
157	38		Hexachlorophene	70-30-4	3.21	0.0079	61.0	0.15	65.1	0.16	406.89	0.15
292			Allyl alcohol	107-18-6	403.14	6.94	63.9	1.1	95.8	1.65	58.09	1.1
10			Emetine	483-18-1	0.08	0.00016	67.3	0.14	NA	NA	480.71	0.14
223	32		Lindane	58-89-9	119.24	0.41	75.6	0.26	87.2	0.3	290.82	0.26
255			Sodium monochloroacetate	3926-62-3	168.90	1.45	75.7	0.65	NA	NA	116.48	0.65
190			Chlorambucil	305-03-3	23.12	0.076	76.1	0.25	100.4	0.33	304.24	0.25
149			Chromium VI trioxide	1333-82-0	0.27	0.0027	80.0	0.8	127.0	1.27	100	0.8
180		p-	Phenylenediamine	106-50-3	5.41	0.05	80.0	0.74	NA	NA	108.16	0.74
62			Cobalt II chloride	7646-79-9	20.77	0.16	80.5	0.62	80.5	0.62	129.83	0.62

**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
110			Acrylonitrile	107-13-1	128.43	2.42	81.7	1.54	27.1	0.51	53.07	1.54
237			Beryllium II sulfate	13510-49-1	64.09	0.61	82.0	0.78	79.9	0.76	105.07	0.78
220		m-	Dinitrobenzene	99-65-0	65.57	0.39	82.4	0.49	NA	NA	168.12	0.49
229	22		Dextropropoxyphene * HCl	1639-60-7	184.23	0.49	82.7	0.22	82.7	0.22	375.98	0.22
20			Cadmium II chloride	10108-64-2	1.17	0.0064	88.0	0.48	174.1	0.95	183.3	0.48
219			Hydralazine	86-54-4	52.87	0.33	89.7	0.56	121.8	0.76	160.2	0.56
160		N-	Methyl-N'-nitro-N-nitroso- guanidine	70-25-7	1.77	0.012	89.7	0.61	NA	NA	147.12	0.61
283			Milrinone	78415-72-2	1007.61	4.77	90.8	0.43	137.3	0.65	211.24	0.43
116			Cyclophosphamide * H2O	6055-19-2	870.89	3.12	94.9	0.34	136.8	0.49	279.13	0.34
217			Amrinone	60719-84-8	52.42	0.28	101.1	0.54	288.3	1.54	187.22	0.54
194		p-	Toluylendiamine	95-70-5	11.49	0.094	101.4	0.83	NA	NA	122.19	0.83
74			Nickel II chloride	7718-54-9	34.99	0.27	105.0	0.81	NA	NA	129.61	0.81
281		1,2-	Dibromomethane	106-93-4	730.17	4.2	107.8	0.62	NA	NA	173.85	0.62
196	40		VerapamilHCl	152-11-4	49.11	0.1	108.0	0.22	162.1	0.33	491.13	0.22
198			Ioxynil	1689-83-4	40.80	0.11	111.3	0.3	NA	NA	370.91	0.3
151			Hexachlorocyclopentadiene	77-47-4	0.85	0.0031	111.8	0.41	NA	NA	272.75	0.41
167		p,p'	DDD	72-54-8	7.68	0.024	112.0	0.35	NA	NA	320.04	0.35
61		p,p'	DDT	50-29-3	56.72	0.16	113.4	0.32	134.7	0.38	354.48	0.32
138			Tributyltin chloride	1461-22-9	0.18	0.00054	120.4	0.37	NA	NA	325.53	0.37
232		o-	Cresol	95-48-7	56.24	0.52	121.1	1.12	343.9	3.18	108.15	1.12
347			Thiourea	62-56-6	6547.18	86	124.9	1.64	8526.6	112	76.13	1.64
69			Secobarbital sodium	309-43-3	54.66	0.21	124.9	0.48	NA	NA	260.3	0.48
134			Rotenone	83-79-4	0.05	0.00013	130.2	0.33	351.1	0.89	394.45	0.33
9			Amethopterin	59-05-2	0.06	0.00014	136.4	0.3	145.4	0.32	454.5	0.3
199			Cupric chloride	7447-39-4	14.79	0.11	139.8	1.04	189.6	1.41	134.44	1.04
27			Chlorpromazine	50-53-3	4.46	0.014	140.3	0.44	261.5	0.82	318.89	0.44
96			Cygon	60-51-5	284.29	1.24	151.3	0.66	59.6	0.26	229.27	0.66
227	46		Sodium oxalate	62-76-0	58.96	0.44	155.4	1.16	NA	NA	134	1.16
118	24		Phenobarbital	50-06-6	884.91	3.81	162.6	0.7	167.2	0.72	232.26	0.7
225			Ammonium sulfide	12135-76-1	21.47	0.42	168.2	3.29	NA	NA	51.12	3.29
16			Azaserine	115-02-6	0.35	0.002	169.7	0.98	150.6	0.87	173.15	0.98
102			Acrylamide	79-06-1	114.45	1.61	169.9	2.39	169.9	2.39	71.09	2.39
64			Bendiocarb	22781-23-3	40.19	0.18	178.6	0.8	NA	NA	223.25	0.8
106	14		Sodium I fluoride	7681-49-4	77.68	1.85	180.1	4.29	NA	NA	41.99	4.29
112	48		Caffeine	58-08-2	512.74	2.64	192.3	0.99	619.6	3.19	194.22	0.99
253			Isoxepac	55453-87-7	356.81	1.33	198.5	0.74	NA	NA	268.28	0.74
318			Trifluoroacetic acid	76-05-1	2337.62	20.5	199.6	1.75	NA	NA	114.03	1.75
87			Pentobarbital sodium	57-33-0	176.29	0.71	201.1	0.81	280.6	1.13	248.29	0.81
212		p-	Cresol	106-44-5	23.79	0.22	206.6	1.91	343.9	3.18	108.15	1.91

**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
17		5-	Fluorouracil	51-21-8	0.34	0.0026	230.3	1.77	114.5	0.88	130.09	1.77
206			Diquat dibromide	85-00-7	55.05	0.16	230.5	0.67	234.0	0.68	344.08	0.67
239		m-	Cresol	108-39-4	71.38	0.66	242.3	2.24	828.4	7.66	108.15	2.24
269			Potassium I fluoride	7789-23-3	181.85	3.13	245.2	4.22	NA	NA	58.1	4.22
73			Carbaryl	63-25-2	52.32	0.26	249.5	1.24	438.7	2.18	201.24	1.24
35			Flufenamic acid	530-78-9	8.16	0.029	272.8	0.97	714.4	2.54	281.25	0.97
260			Coumarin	91-64-5	249.92	1.71	292.3	2	195.8	1.34	146.15	2
228		2,4,5-	Trichlorophen- oxyacetic acid	93-76-5	112.41	0.44	298.9	1.17	388.3	1.52	255.48	1.17
81	27		Cupric sulfate * 5 H2O	7758-99-8	82.40	0.33	299.6	1.2	NA	NA	249.7	1.2
245			Resorcinol	108-46-3	88.10	0.8	300.6	2.73	NA	NA	110.12	2.73
279			Thioacetamide	62-55-5	313.33	4.17	301.3	4.01	NA	NA	75.14	4.01
38			Imipramine * HCl	113-52-0	17.11	0.054	304.2	0.96	374.0	1.18	316.91	0.96
205			Versalide	88-29-9	38.77	0.15	315.3	1.22	NA	NA	258.44	1.22
261	3		Ferrous sulfate	7720-78-7	281.03	1.85	319.0	2.1	978.3	6.44	151.91	2.1
183	5		Amitriptyline	50-48-6	15.54	0.056	319.1	1.15	147.0	0.53	277.44	1.15
86	31		Warfarin	81-81-2	206.59	0.67	323.8	1.05	373.1	1.21	308.35	1.05
176			Papaverine	58-74-2	15.27	0.045	325.8	0.96	230.8	0.68	339.42	0.96
249		3-	Cyano-2-morpholino-5-(pyrid-4-yl)-pyridine (Chemical 122)		255.66	0.96	346.2	1.3	NA	NA	266.31	1.3
282		(-)	Phenylephrine	59-42-7	744.17	4.45	349.5	2.09	NA	NA	167.23	2.09
55			Zinc II chloride	7646-85-7	17.72	0.13	350.2	2.57	350.2	2.57	136.27	2.57
278			Phenylephrine * HCl	939-38-8	847.35	4.16	350.3	1.72	120.2	0.59	203.69	1.72
210		p-	Nitrophenol	100-02-7	27.82	0.2	350.6	2.52	467.4	3.36	139.12	2.52
246	37		Barium II nitrate	10022-31-8	211.70	0.81	355.4	1.36	NA	NA	261.36	1.36
90			Iproniazid	54-92-2	141.61	0.79	365.7	2.04	681.2	3.8	179.25	2.04
254			Buflomedil	55837-25-7	415.03	1.35	365.8	1.19	NA	NA	307.43	1.19
89	16	2,4-	Dichlorophenoxy- acetic acid	94-75-7	170.20	0.77	369.1	1.67	366.9	1.66	221.04	1.67
79			Phenylbutazone	50-33-9	98.69	0.32	376.3	1.22	441.0	1.43	308.41	1.22
172			Nabam	142-59-6	8.97	0.035	394.8	1.54	579.3	2.26	256.34	1.54
155			Benzalkonium chloride	8001-54-5	1.90	0.0052	401.5	1.1	339.5	0.93	365	1.1
159			Hexadecyltrimethylammoniumbromide	57-09-0	3.24	0.0089	408.3	1.12	NA	NA	364.53	1.12
115	12		Phenol	108-95-2	283.30	3.01	414.1	4.4	300.2	3.19	94.12	4.4
230	42		Orphenadrine * HCl	341-69-5	149.88	0.49	425.2	1.39	125.4	0.41	305.88	1.39
291			Aniline	62-53-3	642.67	6.9	439.6	4.72	439.6	4.72	93.14	4.72
75			Trichlorfon	52-68-6	69.51	0.27	450.5	1.75	298.6	1.16	257.44	1.75
339		1-	Nitropropane	79-46-9	5159.47	57.9	455.4	5.11	NA	NA	89.11	5.11
53	43		Quindine sulfate	50-54-4	50.70	0.12	456.3	1.08	595.8	1.41	422.54	1.08
40			Chlordan	57-74-9	24.59	0.06	458.9	1.12	NA	NA	409.76	1.12
163			Cetyltrimethylammonium chloride	112-02-7	7.61	0.021	474.4	1.31	NA	NA	362.16	1.31
264			Chloral hydrate	302-17-0	438.31	2.65	479.7	2.9	1101.6	6.66	165.4	2.9

**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
204			Azathioprine	446-86-6	38.82	0.14	535.2	1.93	1389.2	5.01	277.29	1.93
310			Tributylamine	102-82-9	2855.16	15.4	539.5	2.91	NA	NA	185.4	2.91
187		4-	Hexylresorcinol	136-77-6	12.44	0.064	549.9	2.83	NA	NA	194.3	2.83
26			Kelthane	115-32-2	4.45	0.012	574.2	1.55	418.6	1.13	370.48	1.55
39		2,4-	Dichlorophenol	120-83-2	8.97	0.055	580.3	3.56	1600.7	9.82	163	3.56
280			Theophylline sodium acetate	8002-89-9	1098.74	4.19	582.2	2.22	NA	NA	262.23	2.22
147			Mitoxantrone	65271-80-9	1.07	0.0024	586.8	1.32	NA	NA	444.54	1.32
101			Glutethimide	77-21-4	338.97	1.56	599.7	2.76	360.7	1.66	217.29	2.76
45			Quinine * HCl	130-89-2	27.07	0.075	620.8	1.72	1158.6	3.21	360.92	1.72
70	49		Atropine sulfate	55-48-1	148.92	0.22	622.7	0.92	764.9	1.13	676.9	0.92
302			Nitrobenzene	98-95-3	1502.06	12.2	640.2	5.2	NA	NA	123.12	5.2
123	35		Isoniazid	54-85-3	1027.33	7.49	650.1	4.74	NA	NA	137.16	4.74
256			Tin II chloride	7772-99-8	286.28	1.51	699.6	3.69	1200.1	6.33	189.59	3.69
63	4		Diazepam	439-14-5	45.56	0.16	709.1	2.49	535.3	1.88	284.76	2.49
168			Dicoumarol	66-76-2	9.08	0.027	709.6	2.11	232.1	0.69	336.31	2.11
311		1-	Hexanol	111-27-3	1573.88	15.4	719.5	7.04	1952.0	19.1	102.2	7.04
174			Ambazone	539-21-9	9.02	0.038	749.9	3.16	999.1	4.21	237.32	3.16
242		1,2,4-	Trichlorobenzene	120-82-1	128.82	0.71	756.6	4.17	765.7	4.22	181.44	4.17
333			Lithium I chloride	7447-41-8	1636.25	38.6	758.8	17.9	1165.7	27.5	42.39	17.9
114			Natulan * HCl	366-70-1	706.37	2.74	783.7	3.04	NA	NA	257.8	3.04
48			Mefenamic acid	61-68-7	20.99	0.087	789.1	3.27	629.8	2.61	241.31	3.27
338		1-	Butanol	71-36-3	3892.35	52.5	793.3	10.7	NA	NA	74.14	10.7
202			Formaldehyde	50-00-0	3.60	0.12	798.8	26.6	NA	NA	30.03	26.6
188		t-	Butyl hydroquinone	1948-33-0	11.47	0.069	799.6	4.81	1000.8	6.02	166.24	4.81
354		1,3,5-	Trioxane	110-88-3	19189.17	213	800.0	8.88	NA	NA	90.09	8.88
58			Dihydralazine sulfate	7327-87-9	40.36	0.14	818.8	2.84	400.8	1.39	288.32	2.84
213			Ammonium persulfate	7727-54-0	52.49	0.23	819.3	3.59	NA	NA	228.22	3.59
71			Diphenhydramine * HCl	147-24-0	70.04	0.24	855.1	2.93	113.8	0.39	291.85	2.93
285			Caffeine sodium benzoate	8000-95-1	1918.33	5.67	859.4	2.54	798.5	2.36	338.33	2.54
197		p,p'	DDE	72-55-9	31.80	0.1	880.9	2.77	NA	NA	318.02	2.77
67	15		Malathion	121-75-5	66.08	0.2	885.4	2.68	776.4	2.35	330.38	2.68
259			Methyl salicylate	119-36-8	258.67	1.7	887.1	5.83	NA	NA	152.16	5.83
184			Butylated hydroxytoluene	128-37-0	12.34	0.056	890.4	4.04	1040.2	4.72	220.39	4.04
272			Salicylic acid	69-72-7	466.88	3.38	890.9	6.45	479.3	3.47	138.13	6.45
337			Pyridine	110-86-1	3710.26	46.9	893.9	11.3	NA	NA	79.11	11.3
308	33		Chloroform	67-66-3	1599.56	13.4	908.4	7.61	35.8	0.3	119.37	7.61
44			Hydroxyzine * HCl	1244-76-4	27.56	0.067	950.4	2.31	NA	NA	411.41	2.31
31	41		Chloroquine diphosphate	50-63-5	8.77	0.017	969.9	1.88	500.4	0.97	515.92	1.88
214			Thymol	89-83-8	34.56	0.23	979.6	6.52	1802.9	12	150.24	6.52



**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
65			Oxyphenbutazone	129-20-4	61.64	0.19	999.2	3.08	480.1	1.48	324.41	3.08
121			Aminophenazone	58-15-1	1246.87	5.39	999.3	4.32	358.6	1.55	231.33	4.32
80		2-	Thiouracil	141-90-2	41.01	0.32	999.6	7.8	NA	NA	128.16	7.8
304			Calcium II chloride	10043-52-4	1376.15	12.4	999.9	9.01	NA	NA	110.98	9.01
107	2		Acetylsalicylic acid	50-78-2	408.99	2.27	999.9	5.55	814.4	4.52	180.17	5.55
233			Ibuprofen	15687-27-1	107.28	0.52	1008.9	4.89	980.0	4.75	206.31	4.89
47			Naftipramide	1505-95-9	25.07	0.084	1029.7	3.45	1086.4	3.64	298.47	3.45
218		o-	Phenylenediamine	95-54-5	33.53	0.31	1069.7	9.89	NA	NA	108.16	9.89
41			Chloroquine sulfate	132-73-0	25.08	0.06	1086.8	2.6	NA	NA	418	2.6
296			Homatropine methylbromide	80-49-9	3332.97	9	1199.9	3.24	1399.8	3.78	370.33	3.24
152		8-	Hydroxyquinoline	148-24-3	0.48	0.0033	1200.6	8.27	NA	NA	145.17	8.27
287			Benzylalcohol	100-51-6	628.35	5.81	1232.9	11.4	1579.0	14.6	108.15	11.4
111			Clofibrilic acid	882-09-7	560.26	2.61	1249.3	5.82	1169.9	5.45	214.66	5.82
226			Dodecylbenzene sodiumsulfonate	25155-30-0	146.38	0.42	1261.6	3.62	2000.5	5.74	348.52	3.62
251			Scopolamine * HBr	6533-68-2	415.05	1.08	1268.2	3.3	1879.3	4.89	384.31	3.3
76			Sodium dodecyl sulfate	151-21-3	78.15	0.27	1288.0	4.45	NA	NA	289.43	4.45
191			Dimenhydrinate	523-87-5	35.72	0.076	1320.8	2.81	202.1	0.43	470.02	2.81
99			Nalidixic acid	389-08-2	348.39	1.5	1349.4	5.81	571.4	2.46	232.26	5.81
243		p-	Anisidine	104-94-9	89.91	0.73	1404.1	11.4	NA	NA	123.17	11.4
270			Propionaldehyde	123-38-6	188.79	3.25	1411.6	24.3	NA	NA	58.09	24.3
164			Oxatamide	60607-34-3	8.11	0.019	1412.1	3.31	9598.7	22.5	426.61	3.31
275			Nitrilotriacetic acid	139-13-9	690.09	3.61	1470.0	7.69	3154.1	16.5	191.16	7.69
324		2-	Butoxyethanol	111-76-2	3073.20	26	1477.5	12.5	1229.3	10.4	118.2	12.5
56			Manganese IIchloride *4 H2O	13446-34-9	25.73	0.13	1484.4	7.5	NA	NA	197.92	7.5
136			Diethyldithiocarbamate sodium* 3H2O	20624-25-3	0.09	0.00039	1500.7	6.66	1500.7	6.66	225.33	6.66
328	36		Dichloromethane	75-09-2	2964.06	34.9	1596.7	18.8	NA	NA	84.93	18.8
119			Sodium salicylate	54-21-7	693.28	4.33	1599.5	9.99	899.8	5.62	160.11	9.99
166			Triisooctylamine	2757-28-0	8.14	0.023	1620.2	4.58	NA	NA	353.76	4.58
284			Ammonium chloride	12125-02-9	295.32	5.52	1647.8	30.8	NA	NA	53.5	30.8
97			Phenacetin	62-44-2	227.63	1.27	1650.8	9.21	1220.6	6.81	179.24	9.21
248		m-	Aminophenol	591-27-5	93.86	0.86	1658.9	15.2	NA	NA	109.14	15.2
42		p-	Aminophenol	23-30-8	6.77	0.062	1658.9	15.2	NA	NA	109.14	15.2
78		6-	Methylcoumarin	92-48-8	49.66	0.31	1681.9	10.5	NA	NA	160.18	10.5
200			Dimethylaminoethyl methacrylate (polymer)	2867-47-2	17.30	0.11	1745.4	11.1	NA	NA	157.24	11.1
57		L-	Dopa	59-92-7	25.64	0.13	1780.8	9.03	2366.5	12	197.21	9.03
182			Triton X-100	9002-93-1	35.59	0.055	1798.7	2.78	NA	NA	647	2.78
300			Antipyrine	60-80-0	2183.70	11.6	1799.7	9.56	1699.9	9.03	188.25	9.56
95			Salicylamide	65-45-2	148.12	1.08	1892.7	13.8	1398.9	10.2	137.15	13.8
342			Piperazine	110-85-0	5789.95	67.2	1904.1	22.1	1438.9	16.7	86.16	22.1

**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
263			Acetaldehyde	75-07-0	107.95	2.45	1929.8	43.8	NA	NA	44.06	43.8
139			Retinol	68-26-8	0.15	0.00054	1999.8	6.98	4011.0	14	286.5	6.98
52			all-trans-Retinoic acid	302-79-4	33.05	0.11	2001.2	6.66	NA	NA	300.48	6.66
325			Cyclohexanol	108-93-0	2634.73	26.3	2063.7	20.6	NA	NA	100.18	20.6
330			Sulfuric acid	7664-93-9	3530.88	36	2138.1	21.8	NA	NA	98.08	21.8
72			Butylated hydroxyanisole	8003-24-5	43.26	0.24	2199.3	12.2	2001.0	11.1	180.27	12.2
165			Isoproterenol * HCl	51-30-9	5.45	0.022	2219.8	8.96	NA	NA	247.75	8.96
331			Strontium II chloride	10476-85-4	5770.13	36.4	2251.0	14.2	3107.0	19.6	158.52	14.2
113	1		Acetaminophen	103-90-2	409.70	2.71	2403.8	15.9	338.6	2.24	151.18	15.9
356		2-	Methoxyethanol	109-86-4	19103.61	251	2458.4	32.3	NA	NA	76.11	32.3
334			Isobutanol	78-83-1	2973.01	40.1	2461.4	33.2	NA	NA	74.14	33.2
305		n-	Butanal	123-72-8	923.14	12.8	2488.1	34.5	NA	NA	72.12	34.5
350			Tetrahydrofurfuryl alcohol	97-99-4	11338.65	111	2502.7	24.5	2298.4	22.5	102.15	24.5
208			Undecylenic acid	112-38-9	33.18	0.18	2506.6	13.6	8496.7	46.1	184.31	13.6
312			Benzoic acid	65-85-0	1917.44	15.7	2528.1	20.7	2369.3	19.4	122.13	20.7
238			Imidazolidinyl urea	39236-46-9	100.17	0.36	2598.9	9.34	3700.9	13.3	278.26	9.34
109			Frusemide	54-31-9	770.67	2.33	2599.8	7.86	4597.6	13.9	330.76	7.86
346	50		Potassium I chloride	7447-40-7	6113.10	82	2601.8	34.9	1498.5	20.1	74.55	34.9
158			Dichlorophene	97-23-4	2.23	0.0083	2691.3	10	1001.2	3.72	269.13	10
273			Bromobenzene	108-86-1	543.29	3.46	2700.7	17.2	NA	NA	157.02	17.2
295		2,5-	Hexanedione	110-13-4	964.65	8.45	2705.6	23.7	NA	NA	114.16	23.7
125	34		Carbon tetrachloride	56-23-5	1308.92	8.51	2799.3	18.2	12797.0	83.2	153.81	18.2
351			Dimethylformamide	68-12-2	8334.54	114	2800.1	38.3	3750.5	51.3	73.11	38.3
309			Isobutanol	78-84-2	973.62	13.5	2812.7	39	NA	NA	72.12	39
298			Dichloroacetic acid	79-43-6	1482.81	11.5	2823.8	21.9	5518.6	42.8	128.94	21.9
344	13		Sodium chloride	7647-14-5	4435.60	75.9	2998.0	51.3	3997.3	68.4	58.44	51.3
322		1-	Pentanol	71-41-0	2195.43	24.9	3033.0	34.4	200.1	2.27	88.17	34.4
221		2-	Nitro-p-phenylene-diamine	5307-14-2	59.73	0.39	3078.5	20.1	NA	NA	153.16	20.1
216			Refortan		78.28	0.25	3162.3	10.1	NA	NA	313.1	10.1
94			Menthol	89-78-1	148.49	0.95	3172.9	20.3	NA	NA	156.3	20.3
257			Isononylaldehyde	5435-64-3	216.25	1.52	3243.8	22.8	NA	NA	142.27	22.8
288		1-	Heptanol	111-70-6	726.44	6.25	3254.4	28	1499.4	12.9	116.23	28
321			Acetic acid	64-19-7	1459.46	24.3	3309.3	55.1	4961.0	82.6	60.06	55.1
91	45		Chloramphenicol	56-75-7	255.29	0.79	3393.1	10.5	2640.1	8.17	323.15	10.5
349			Ethyl methyl ketone	78-93-3	7500.48	104	3396.9	47.1	NA	NA	72.12	47.1
345			Sodium I bromide	7647-15-6	8120.81	77.4	3504.3	33.4	6998.2	66.7	104.92	33.4
336			Nicotinamide	98-92-0	5423.02	44.4	3505.4	28.7	NA	NA	122.14	28.7
306			Anisole	100-66-3	1427.58	13.2	3698.7	34.2	NA	NA	108.15	34.2
341			Lactic acid	598-82-3	5945.94	66	3729.7	41.4	4873.9	54.1	90.09	41.4

**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
358			Acetonitrile	75-05-8	15110.08	368	3798.1	92.5	NA	NA	41.06	92.5
211			Catechol	120-80-9	22.02	0.2	3887.2	35.3	259.9	2.36	110.12	35.3
307		2-	Ethylbutanal	97-96-1	1322.38	13.2	3977.1	39.7	NA	NA	100.18	39.7
315			Isobenzoic furano dione		2518.04	17	4014.1	27.1	1999.6	13.5	148.12	27.1
332		1,4-	Dioxane	123-91-1	3357.37	38.1	4203.3	47.7	5701.4	64.7	88.12	47.7
301	17		Xylene	1330-20-7	1274.16	12	4300.3	40.5	NA	NA	106.18	40.5
154			Maneb	12427-38-2	1.12	0.0042	4500.6	16.9	3994.7	15	266.31	16.9
294			Trichloroacetic acid	76-03-9	1338.08	8.19	4999.4	30.6	5636.6	34.5	163.38	30.6
271			Styrene	100-42-5	343.73	3.3	4999.7	48	315.6	3.03	104.16	48
316			Toluene	108-88-3	1575.77	17.1	5003.7	54.3	NA	NA	92.15	54.3
320		N,N-	Dimethylacetamide	127-19-5	2108.79	24.2	5089.0	58.4	4618.4	53	87.14	58.4
224		n-	Butyl benzoate	136-60-7	73.08	0.41	5133.6	28.8	NA	NA	178.25	28.8
186			Zineb	12122-67-7	16.27	0.059	5211.3	18.9	7610.1	27.6	275.73	18.9
348		1-	Propanol	71-23-8	5800.62	96.5	5397.9	89.8	NA	NA	60.11	89.8
326			Halothane	151-67-7	6138.83	31.1	5684.8	28.8	NA	NA	197.39	28.8
128	10	2-	Propanol	67-63-0	10038.37	167	5842.7	97.2	NA	NA	60.11	97.2
50			Trypan blue	72-57-1	91.66	0.095	6204.2	6.43	NA	NA	964.88	6.43
108			Gibberellic acid	77-06-5	796.74	2.3	6304.7	18.2	NA	NA	346.41	18.2
335			Potassium hexacyano- ferrate II	13943-58-3	15582.05	42.3	6409.6	17.4	5009.8	13.6	368.37	17.4
59			Tetracycline * HCl	64-75-5	67.33	0.14	6444.6	13.4	NA	NA	480.94	13.4
127			Dimethyl phthalate	131-11-3	4544.28	23.4	6894.1	35.5	7204.8	37.1	194.2	35.5
286			Benzylpenicillin sodium	69-57-8	2042.17	5.73	6914.2	19.4	NA	NA	356.4	19.4
126			Triethyl citrate	77-93-0	4061.90	14.7	6990.9	25.3	NA	NA	276.32	25.3
85			Metamizol	68-89-3	193.94	0.58	7189.2	21.5	NA	NA	334.38	21.5
343			Magnesium II chloride * 6 H2O	7791-18-6	14314.43	70.4	8092.5	39.8	NA	NA	203.33	39.8
360	7		Ethylene glycol	107-21-1	34454.40	555	8567.0	138	7511.7	121	62.08	138
122			Diethyl phthalate	84-66-2	1226.88	5.52	8601.5	38.7	6178.8	27.8	222.26	38.7
289			Tetrachloroethene	127-18-4	1084.46	6.54	8854.8	53.4	8092.0	48.8	165.82	53.4
117			Di(2-ethylhexyl)adipate	103-23-1	1167.52	3.15	9117.7	24.6	NA	NA	370.64	24.6
162			Chlorhexidine	55-56-1	7.58	0.015	9200.5	18.2	9857.6	19.5	505.52	18.2
359			Acetone	67-64-1	25791.96	444	9759.1	168	NA	NA	58.09	168
18			Captan	133-06-2	1.17	0.0039	10009.6	33.3	7003.7	23.3	300.59	33.3
297	11	1,1,1-	Trichloroethane	71-55-6	1374.02	10.3	10298.5	77.2	11245.6	84.3	133.4	77.2
353			Ethyl acetate	141-78-6	11279.36	128	11015.0	125	NA	NA	88.12	125
100		L-	Ascorbic acid	50-81-7	267.73	1.52	11907.1	67.6	3364.3	19.1	176.14	67.6
88			Dibutyl phthalate	84-74-2	211.57	0.76	11998.2	43.1	NA	NA	278.38	43.1
131			Glycerol	56-81-5	57476.64	624	12619.1	137	25975.0	282	92.11	137
361	8		Methanol	67-56-1	29806.50	930	13012.3	406	NA	NA	32.05	406
130	9		Ethanol	64-17-5	17464.32	379	14008.3	304	7787.5	169	46.08	304

**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
313			Xanthinol nicotinate	437-74-1	6865.26	15.8	14121.6	32.5	17336.9	39.9	434.51	32.5
258			Diethyl sebacate	110-40-7	421.19	1.63	14470.4	56	NA	NA	258.4	56
340			Diethylene glycol	111-46-6	6591.29	62.1	14753.5	139	23669.2	223	106.14	139
329			Sodium cyclamate	139-05-9	7123.90	35.4	15254.0	75.8	17004.8	84.5	201.24	75.8
352		1,2,6-	Hexanetriol	106-69-4	16506.60	123	15969.8	119	NA	NA	134.2	119
129			Dimethyl sulfoxide	75-18-3	19691.28	252	19691.3	252	16487.5	211	78.14	252
357			Propylene glycol	57-55-6	26029.62	342	20016.9	263	23974.7	315	76.11	263
355			D-Glucose	50-99-7	40720.68	226	25765.7	143	NA	NA	180.18	143
92			Di(2-ethylhexyl)phthalate	117-81-7	328.12	0.84	31015.2	79.4	29999.6	76.8	390.62	79.4
124			Acetazolamide	59-66-5	1886.99	8.49	NA	NA	4289.6	19.3	222.26	19.3
28			Aldosterone	52-39-1	5.05	0.014	NA	NA	NA	NA	360.44	
276			Ambuphylline	5634-34-4	988.51	3.67	NA	NA	600.7	2.23	269.35	2.23
3			Aminopterin	54-62-6	0.01	0.000012	NA	NA	3.0	0.0068	440.47	0.0068
120		5-	Aminosalicylic acid	89-57-6	776.47	5.07	NA	NA	7749.4	50.6	153.15	50.6
84			Amobarbital	57-43-2	126.73	0.56	NA	NA	344.0	1.52	226.31	1.52
189			Antimycin	11118-72-2	17.52	0.07	NA	NA	112.6	0.45	250.27	0.45
193		5-	Azacytidine	320-67-2	19.29	0.079	NA	NA	571.5	2.34	244.24	2.34
15		8-	Azaguanine	134-58-7	0.20	0.0013	NA	NA	1500.1	9.86	152.14	9.86
317			Barbital sodium	144-02-5	3835.32	18.6	NA	NA	800.1	3.88	206.2	3.88
33		p-	Chloromercuribenzoic acid	59-85-8	8.57	0.024	NA	NA	25.0	0.07	357.16	0.07
215			Chlorotetracycline	57-62-5	114.94	0.24	NA	NA	2500.0	5.22	478.92	5.22
77			Cinchophen	132-60-5	67.31	0.27	NA	NA	NA	NA	249.28	
6			Colchicine	64-86-8	0.02	0.000054	NA	NA	6.0	0.015	399.48	0.015
66			Cortisone	53-06-5	68.49	0.19	NA	NA	NA	NA	360.49	
274		L-	Cysteine	52-90-4	431.37	3.56	NA	NA	660.4	5.45	121.17	5.45
19			Cytochalasin B	14930-96-2	2.40	0.005	NA	NA	NA	NA	479.67	
133			Cytochalasin D	22144-77-0	0.05	0.000092	NA	NA	36.0	0.071	507.68	0.071
141			Cytosine arabinoside	147-94-4	0.17	0.00068	NA	NA	3137.9	12.9	243.25	12.9
23			Daraprim	58-14-0	2.21	0.0089	NA	NA	126.9	0.51	248.74	0.51
195		p,p'	DDA	83-05-6	27.83	0.099	NA	NA	590.4	2.1	281.14	2.1
34			Diethylstilbestrol	56-53-1	6.71	0.025	NA	NA	NA	NA	268.38	
22	6		Digoxin	20830-75-5	6.64	0.0085	NA	NA	18.0	0.023	781.05	0.023
293			Diisopropylamine dichloroacetate	660-27-5	1611.12	7	NA	NA	1700.9	7.39	230.16	7.39
82	44		Diphenylhydantoin	57-41-0	98.39	0.39	NA	NA	199.3	0.79	252.29	0.79
11			Doxorubicin * HCl	25316-40-9	0.19	0.00033	NA	NA	696.0	1.2	580.03	1.2
244			Doxylamine succinate	562-10-7	291.38	0.75	NA	NA	470.1	1.21	388.51	1.21
169			Epinephrine bitartrate	51-42-3	9.33	0.028	NA	NA	4.0	0.012	333.33	0.012
24			Ethylenediamine-tetraacetic acid	60-00-4	2.92	0.01	NA	NA	NA	NA	292.28	
171			Fumagillin	297-95-0	14.22	0.031	NA	NA	1999.5	4.36	458.6	4.36

**Section 7.2**  
**Table 7.2**  
**Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
222			Glibenclamide	10238-21-8	197.62	0.4	NA	NA	3250.8	6.58	494.05	6.58
32			Hydrocortisone	50-23-7	7.98	0.022	NA	NA	NA	NA	362.51	
236			Hydrogen peroxide 90%	7722-84-1	19.05	0.56	NA	NA	2000.4	58.8	34.02	58.8
267		p-	Hydroxybenzoic acid	99-96-7	403.34	2.92	NA	NA	2196.3	15.9	138.13	15.9
299			Imidazole	288-32-4	783.04	11.5	NA	NA	1879.3	27.6	68.09	27.6
46			Lead II chloride	7758-95-4	11.96	0.043	NA	NA	NA	NA	278.09	
327	20		Lithium I sulfate	10377-48-7	3704.98	33.7	NA	NA	1187.4	10.8	109.94	10.8
21		6-	Mercaptopurine	50-44-2	1.22	0.008	NA	NA	280.0	1.84	152.19	1.84
142			Methylmercury chloride	115-09-3	0.18	0.00071	NA	NA	57.7	0.23	251.08	0.23
98			Methylparaben	99-76-3	216.07	1.42	NA	NA	1749.8	11.5	152.16	11.5
319			Methylpentinol	77-75-8	2336.21	23.8	NA	NA	525.2	5.35	98.16	5.35
175			Norepinephrine	51-41-2	6.60	0.039	NA	NA	20.3	0.12	169.2	0.12
268		1-	Octanol	111-87-5	398.60	3.06	NA	NA	1784.6	13.7	130.26	13.7
7			Ouabain	630-60-4	0.04	0.000072	NA	NA	NA	NA	584.73	
240			Pentoxifylline	6493-05-6	183.71	0.66	NA	NA	1386.2	4.98	278.35	4.98
146			Potassium bichromate VI	7778-50-9	0.59	0.002	NA	NA	191.2	0.65	294.2	0.65
145			Potassium chromate VI	7789-00-6	0.29	0.0015	NA	NA	180.6	0.93	194.2	0.93
277			Potassium cyanate	590-28-3	335.84	4.14	NA	NA	843.6	10.4	81.12	10.4
266			Potassium hexacyanoferrate III	13746-66-2	928.54	2.82	NA	NA	2970.0	9.02	329.27	9.02
36			Progesterone	57-83-0	9.44	0.03	NA	NA	NA	NA	314.51	
54	23		Propranolol * HCl	318-98-9	35.50	0.12	NA	NA	470.4	1.59	295.84	1.59
209			Propylparaben	94-13-3	32.44	0.18	NA	NA	6325.7	35.1	180.22	35.1
12			Puromycin	53-79-2	0.16	0.00033	NA	NA	674.4	1.43	471.58	1.43
201		13-cis-	Retinoic acid	4759-48-2	36.06	0.12	NA	NA	3395.4	11.3	300.48	11.3
314			Saccharin	81-07-2	3004.32	16.4	NA	NA	17000.0	92.8	183.19	92.8
178			Salicylanilide	87-17-2	9.81	0.046	NA	NA	2409.7	11.3	213.25	11.3
161			Silver I nitrate	7761-88-8	2.21	0.013	NA	NA	49.3	0.29	169.88	0.29
30			Sodium arsenate, dibasic	7778-43-0	2.79	0.015	NA	NA	NA	NA	185.91	
290			Sodium sulfite	7757-83-7	854.55	6.78	NA	NA	820.5	6.51	126.04	6.51
156			Stearyltrimethylammoniumchloride	112-03-8	2.09	0.006	NA	NA	536.1	1.54	348.13	1.54
265			Streptomycin sulfate	298-39-5	3979.25	2.73	NA	NA	495.6	0.34	1457.6	0.34
5		K-	Strophantin		0.03	0.000044	NA	NA	NA	NA	710.9	
93			Sulfisoxazole	127-69-5	227.23	0.85	NA	NA	6790.2	25.4	267.33	25.4
135		2,3,7,8-	Tetrachloro-dibenzo-p-dioxin	1746-01-6	0.06	0.0002	NA	NA	0.1	0.00035	321.96	0.00035
247		(+)-	Thalidomide	731-40-8	209.18	0.81	NA	NA	400.3	1.55	258.25	1.55
203			Thallium I acetate	563-68-8	36.88	0.14	NA	NA	34.2	0.13	263.42	0.13
181	30		Thallium I sulfate	7446-18-6	27.26	0.054	NA	NA	28.8	0.057	504.8	0.057
105	21		Theophylline	58-55-9	329.75	1.83	NA	NA	600.0	3.33	180.19	3.33
303			Theophylline sodium	3485-82-3	2519.43	12.4	NA	NA	445.0	2.19	203.18	2.19

## Section 7.2

Table 7.2

Chemical Data from the Registry of Cytotoxicity Database (Sorted by Rat LD50 Oral mg/kg)

RC #	MEIC #	Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
				ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
25		Thio-TEPA	52-24-4	2.08	0.011	NA	NA	37.8	0.2	189.24	0.2
140		6-Thioguanine	154-42-7	0.10	0.00057	NA	NA	160.5	0.96	167.21	0.96
83		Thiopental	76-75-5	133.30	0.55	NA	NA	601.1	2.48	242.37	2.48
170	29	Thioridazine * HCl	130-61-0	11.81	0.029	NA	NA	358.2	0.88	407.07	0.88
104		Tolbutamide	64-77-7	489.39	1.81	NA	NA	2601.1	9.62	270.38	9.62
1		Trenimon	68-76-8	0.00	0.0000033	NA	NA	NA	NA	231.28	
231		Tween 80	9005-65-6	641.90	0.49	NA	NA	25021.0	19.1	1310	19.1
323		Urethan	51-79-6	2307.95	25.9	NA	NA	2504.0	28.1	89.11	28.1
250		Valproate sodium	1069-66-5	166.22	1	NA	NA	1695.4	10.2	166.22	10.2
4		Vincristine sulfate	2068-78-2	0.01	0.000015	NA	NA	NA	NA	923.14	

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
263			Acetaldehyde	75-07-0	107.95	2.45	1929.8	43.8	NA	NA	44.06	43.8
113	1		Acetaminophen	103-90-2	409.70	2.71	2403.8	15.9	338.6	2.24	151.18	15.9
124			Acetazolamide	59-66-5	1886.99	8.49	NA	NA	4289.6	19.3	222.26	19.3
321			Acetic acid	64-19-7	1459.46	24.3	3309.3	55.1	4961.0	82.6	60.06	55.1
359			Acetone	67-64-1	25791.96	444	9759.1	168	NA	NA	58.09	168
358			Acetonitrile	75-05-8	15110.08	368	3798.1	92.5	NA	NA	41.06	92.5
107	2		Acetylsalicylic acid	50-78-2	408.99	2.27	999.9	5.55	814.4	4.52	180.17	5.55
179			Acrolein	107-02-8	2.64	0.047	46.0	0.82	39.8	0.71	56.07	0.82
102			Acrylamide	79-06-1	114.45	1.61	169.9	2.39	169.9	2.39	71.09	2.39
110			Acrylonitrile	107-13-1	128.43	2.42	81.7	1.54	27.1	0.51	53.07	1.54
2			Actinomycin D	50-76-0	0.01	0.0000081	7.2	0.0057	12.6	0.01	1255.6	0.0057
37			Aflatoxin B1	1162-65-8	10.62	0.034	5.0	0.016	9.1	0.029	312.29	0.016
28			Aldosterone	52-39-1	5.05	0.014	NA	NA	NA	NA	360.44	
43			Aldrin	309-00-2	24.45	0.067	40.1	0.11	43.8	0.12	364.9	0.11
52			all-trans-Retinoic acid	302-79-4	33.05	0.11	2001.2	6.66	NA	NA	300.48	6.66
292			Allyl alcohol	107-18-6	403.14	6.94	63.9	1.1	95.8	1.65	58.09	1.1
174			Ambazone	539-21-9	9.02	0.038	749.9	3.16	999.1	4.21	237.32	3.16
276			Ambuphylline	5634-34-4	988.51	3.67	NA	NA	600.7	2.23	269.35	2.23
9			Amethopterin	59-05-2	0.06	0.00014	136.4	0.3	145.4	0.32	454.5	0.3
121			Aminophenazone	58-15-1	1246.87	5.39	999.3	4.32	358.6	1.55	231.33	4.32
248		m-	Aminophenol	591-27-5	93.86	0.86	1658.9	15.2	NA	NA	109.14	15.2
42		p-	Aminophenol	23-30-8	6.77	0.062	1658.9	15.2	NA	NA	109.14	15.2
3			Aminopterin	54-62-6	0.01	0.000012	NA	NA	3.0	0.0068	440.47	0.0068
120		5-	Aminosalicic acid	89-57-6	776.47	5.07	NA	NA	7749.4	50.6	153.15	50.6
183	5		Amitriptyline	50-48-6	15.54	0.056	319.1	1.15	147.0	0.53	277.44	1.15
284			Ammonium chloride	12125-02-9	295.32	5.52	1647.8	30.8	NA	NA	53.5	30.8
213			Ammonium persulfate	7727-54-0	52.49	0.23	819.3	3.59	NA	NA	228.22	3.59
225			Ammonium sulfide	12135-76-1	21.47	0.42	168.2	3.29	NA	NA	51.12	3.29
84			Amobarbital	57-43-2	126.73	0.56	NA	NA	344.0	1.52	226.31	1.52
262	47		Amphetamine sulfate	60-13-9	726.02	1.97	55.3	0.15	24.0	0.065	368.54	0.15
217			Amrinone	60719-84-8	52.42	0.28	101.1	0.54	288.3	1.54	187.22	0.54
291			Aniline	62-53-3	642.67	6.9	439.6	4.72	439.6	4.72	93.14	4.72
243		p-	Anisidine	104-94-9	89.91	0.73	1404.1	11.4	NA	NA	123.17	11.4
306			Anisole	100-66-3	1427.58	13.2	3698.7	34.2	NA	NA	108.15	34.2
189			Antimycin	11118-72-2	17.52	0.07	NA	NA	112.6	0.45	250.27	0.45
300			Antipyrine	60-80-0	2183.70	11.6	1799.7	9.56	1699.9	9.03	188.25	9.56
153	26		Arsenic III trioxide	1327-53-3	0.83	0.0042	19.8	0.1	45.5	0.23	197.84	0.1
100		L-	Ascorbic acid	50-81-7	267.73	1.52	11907.1	67.6	3364.3	19.1	176.14	67.6
70	49		Atropine sulfate	55-48-1	148.92	0.22	622.7	0.92	764.9	1.13	676.9	0.92

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
193		5-	Azacytidine	320-67-2	19.29	0.079	NA	NA	571.5	2.34	244.24	2.34
15		8-	Azaguanine	134-58-7	0.20	0.0013	NA	NA	1500.1	9.86	152.14	9.86
16			Azaserine	115-02-6	0.35	0.002	169.7	0.98	150.6	0.87	173.15	0.98
204			Azathioprine	446-86-6	38.82	0.14	535.2	1.93	1389.2	5.01	277.29	1.93
317			Barbital sodium	144-02-5	3835.32	18.6	NA	NA	800.1	3.88	206.2	3.88
246	37		Barium II nitrate	10022-31-8	211.70	0.81	355.4	1.36	NA	NA	261.36	1.36
64			Bendiocarb	22781-23-3	40.19	0.18	178.6	0.8	NA	NA	223.25	0.8
155			Benzalkonium chloride	8001-54-5	1.90	0.0052	401.5	1.1	339.5	0.93	365	1.1
312			Benzoic acid	65-85-0	1917.44	15.7	2528.1	20.7	2369.3	19.4	122.13	20.7
287			Benzylalcohol	100-51-6	628.35	5.81	1232.9	11.4	1579.0	14.6	108.15	11.4
286			Benzylpenicillin sodium	69-57-8	2042.17	5.73	6914.2	19.4	NA	NA	356.4	19.4
237			Beryllium II sulfate	13510-49-1	64.09	0.61	82.0	0.78	79.9	0.76	105.07	0.78
192		1,3-	Bis(2-chloroethyl)- 1-nitrosoarea	154-93-8	16.70	0.078	19.9	0.093	19.1	0.089	214.07	0.093
273			Bromobenzene	108-86-1	543.29	3.46	2700.7	17.2	NA	NA	157.02	17.2
254			Buflomedil	55837-25-7	415.03	1.35	365.8	1.19	NA	NA	307.43	1.19
177			Busulphan	55-98-1	11.33	0.046	1.9	0.0076	199.5	0.81	246.32	0.0076
305		n-	Butanal	123-72-8	923.14	12.8	2488.1	34.5	NA	NA	72.12	34.5
338		1-	Butanol	71-36-3	3892.35	52.5	793.3	10.7	NA	NA	74.14	10.7
324		2-	Butoxyethanol	111-76-2	3073.20	26	1477.5	12.5	1229.3	10.4	118.2	12.5
224		n-	Butyl benzoate	136-60-7	73.08	0.41	5133.6	28.8	NA	NA	178.25	28.8
188		t-	Butyl hydroquinone	1948-33-0	11.47	0.069	799.6	4.81	1000.8	6.02	166.24	4.81
72			Butylated hydroxyanisole	8003-24-5	43.26	0.24	2199.3	12.2	2001.0	11.1	180.27	12.2
184			Butylated hydroxytoluene	128-37-0	12.34	0.056	890.4	4.04	1040.2	4.72	220.39	4.04
20			Cadmium II chloride	10108-64-2	1.17	0.0064	88.0	0.48	174.1	0.95	183.3	0.48
112	48		Caffeine	58-08-2	512.74	2.64	192.3	0.99	619.6	3.19	194.22	0.99
285			Caffeine sodium benzoate	8000-95-1	1918.33	5.67	859.4	2.54	798.5	2.36	338.33	2.54
304			Calcium II chloride	10043-52-4	1376.15	12.4	999.9	9.01	NA	NA	110.98	9.01
18			Captan	133-06-2	1.17	0.0039	10009.6	33.3	7003.7	23.3	300.59	33.3
73			Carbaryl	63-25-2	52.32	0.26	249.5	1.24	438.7	2.18	201.24	1.24
125	34		Carbon tetrachloride	56-23-5	1308.92	8.51	2799.3	18.2	12797.0	83.2	153.81	18.2
211			Catechol	120-80-9	22.02	0.2	3887.2	35.3	259.9	2.36	110.12	35.3
163			Cetyltrimethylammonium chloride	112-02-7	7.61	0.021	474.4	1.31	NA	NA	362.16	1.31
264			Chloral hydrate	302-17-0	438.31	2.65	479.7	2.9	1101.6	6.66	165.4	2.9
190			Chlorambucil	305-03-3	23.12	0.076	76.1	0.25	100.4	0.33	304.24	0.25
91	45		Chloramphenicol	56-75-7	255.29	0.79	3393.1	10.5	2640.1	8.17	323.15	10.5
40			Chlordan	57-74-9	24.59	0.06	458.9	1.12	NA	NA	409.76	1.12
162			Chlorhexidine	55-56-1	7.58	0.015	9200.5	18.2	9857.6	19.5	505.52	18.2
308	33		Chloroform	67-66-3	1599.56	13.4	908.4	7.61	35.8	0.3	119.37	7.61
33		p-	Chloromercuribenzoic acid	59-85-8	8.57	0.024	NA	NA	25.0	0.07	357.16	0.07



**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
31	41		Chloroquine diphosphate	50-63-5	8.77	0.017	969.9	1.88	500.4	0.97	515.92	1.88
41			Chloroquine sulfate	132-73-0	25.08	0.06	1086.8	2.6	NA	NA	418	2.6
215			Chlorotetracycline	57-62-5	114.94	0.24	NA	NA	2500.0	5.22	478.92	5.22
27			Chlorpromazine	50-53-3	4.46	0.014	140.3	0.44	261.5	0.82	318.89	0.44
149			Chromium VI trioxide	1333-82-0	0.27	0.0027	80.0	0.8	127.0	1.27	100	0.8
77			Cinchophen	132-60-5	67.31	0.27	NA	NA	NA	NA	249.28	
150			Cis-platinum	15663-27-1	0.84	0.0028	25.8	0.086	33.0	0.11	300.07	0.086
111			Clofibric acid	882-09-7	560.26	2.61	1249.3	5.82	1169.9	5.45	214.66	5.82
62			Cobalt II chloride	7646-79-9	20.77	0.16	80.5	0.62	80.5	0.62	129.83	0.62
6			Colchicine	64-86-8	0.02	0.000054	NA	NA	6.0	0.015	399.48	0.015
66			Cortisone	53-06-5	68.49	0.19	NA	NA	NA	NA	360.49	
260			Coumarin	91-64-5	249.92	1.71	292.3	2	195.8	1.34	146.15	2
239		m-	Cresol	108-39-4	71.38	0.66	242.3	2.24	828.4	7.66	108.15	2.24
232		o-	Cresol	95-48-7	56.24	0.52	121.1	1.12	343.9	3.18	108.15	1.12
212		p-	Cresol	106-44-5	23.79	0.22	206.6	1.91	343.9	3.18	108.15	1.91
199			Cupric chloride	7447-39-4	14.79	0.11	139.8	1.04	189.6	1.41	134.44	1.04
81	27		Cupric sulfate * 5 H2O	7758-99-8	82.40	0.33	299.6	1.2	NA	NA	249.7	1.2
249		3-	Cyano-2-morpholino-5-(pyrid-4-yl)-pyridine (Chemical 122)		255.66	0.96	346.2	1.3	NA	NA	266.31	1.3
325			Cyclohexanol	108-93-0	2634.73	26.3	2063.7	20.6	NA	NA	100.18	20.6
13			Cycloheximide	66-81-9	0.17	0.00059	2.0	0.0071	132.3	0.47	281.39	0.0071
116			Cyclophosphamide * H2O	6055-19-2	870.89	3.12	94.9	0.34	136.8	0.49	279.13	0.34
96			Cygon	60-51-5	284.29	1.24	151.3	0.66	59.6	0.26	229.27	0.66
274		L-	Cysteine	52-90-4	431.37	3.56	NA	NA	660.4	5.45	121.17	5.45
19			Cytochalasin B	14930-96-2	2.40	0.005	NA	NA	NA	NA	479.67	
133			Cytochalasin D	22144-77-0	0.05	0.000092	NA	NA	36.0	0.071	507.68	0.071
141			Cytosine arabinoside	147-94-4	0.17	0.00068	NA	NA	3137.9	12.9	243.25	12.9
355			D-Glucose	50-99-7	40720.68	226	25765.7	143	NA	NA	180.18	143
23			Daraprim	58-14-0	2.21	0.0089	NA	NA	126.9	0.51	248.74	0.51
195		p,p'	DDA	83-05-6	27.83	0.099	NA	NA	590.4	2.1	281.14	2.1
167		p,p'	DDD	72-54-8	7.68	0.024	112.0	0.35	NA	NA	320.04	0.35
197		p,p'	DDE	72-55-9	31.80	0.1	880.9	2.77	NA	NA	318.02	2.77
61		p,p'	DDT	50-29-3	56.72	0.16	113.4	0.32	134.7	0.38	354.48	0.32
229	22		Dextropropoxyphene * HCl	1639-60-7	184.23	0.49	82.7	0.22	82.7	0.22	375.98	0.22
117			Di(2-ethylhexyl)adipate	103-23-1	1167.52	3.15	9117.7	24.6	NA	NA	370.64	24.6
92			Di(2-ethylhexyl)phthalate	117-81-7	328.12	0.84	31015.2	79.4	29999.6	76.8	390.62	79.4
63	4		Diazepam	439-14-5	45.56	0.16	709.1	2.49	535.3	1.88	284.76	2.49
281		1,2-	Dibromomethane	106-93-4	730.17	4.2	107.8	0.62	NA	NA	173.85	0.62
88			Dibutyl phthalate	84-74-2	211.57	0.76	11998.2	43.1	NA	NA	278.38	43.1
298			Dichloroacetic acid	79-43-6	1482.81	11.5	2823.8	21.9	5518.6	42.8	128.94	21.9

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
328	36		Dichloromethane	75-09-2	2964.06	34.9	1596.7	18.8	NA	NA	84.93	18.8
158			Dichlorophene	97-23-4	2.23	0.0083	2691.3	10	1001.2	3.72	269.13	10
39		2,4-	Dichlorophenol	120-83-2	8.97	0.055	580.3	3.56	1600.7	9.82	163	3.56
89	16	2,4-	Dichlorophenoxy- acetic acid	94-75-7	170.20	0.77	369.1	1.67	366.9	1.66	221.04	1.67
168			Dicoumarol	66-76-2	9.08	0.027	709.6	2.11	232.1	0.69	336.31	2.11
207			Dieldrin	60-57-1	68.56	0.18	45.7	0.12	38.1	0.1	380.9	0.12
122			Diethyl phthalate	84-66-2	1226.88	5.52	8601.5	38.7	6178.8	27.8	222.26	38.7
258			Diethyl sebacate	110-40-7	421.19	1.63	14470.4	56	NA	NA	258.4	56
136			Diethyldithiocarbamate sodium* 3H2O	20624-25-3	0.09	0.00039	1500.7	6.66	1500.7	6.66	225.33	6.66
340			Diethylene glycol	111-46-6	6591.29	62.1	14753.5	139	23669.2	223	106.14	139
34			Diethylstilbestrol	56-53-1	6.71	0.025	NA	NA	NA	NA	268.38	
8			Digitoxin	71-63-6	0.08	0.00011	55.8	0.073	NA	NA	765.05	0.073
22	6		Digoxin	20830-75-5	6.64	0.0085	NA	NA	18.0	0.023	781.05	0.023
58			Dihydralazine sulfate	7327-87-9	40.36	0.14	818.8	2.84	400.8	1.39	288.32	2.84
293			Diisopropylamine dichloroacetate	660-27-5	1611.12	7	NA	NA	1700.9	7.39	230.16	7.39
191			Dimenhydrinate	523-87-5	35.72	0.076	1320.8	2.81	202.1	0.43	470.02	2.81
127			Dimethyl phthalate	131-11-3	4544.28	23.4	6894.1	35.5	7204.8	37.1	194.2	35.5
129			Dimethyl sulfoxide	75-18-3	19691.28	252	19691.3	252	16487.5	211	78.14	252
320		N,N-	Dimethylacetamide	127-19-5	2108.79	24.2	5089.0	58.4	4618.4	53	87.14	58.4
200			Dimethylaminoethyl methacrylate (polymer)	2867-47-2	17.30	0.11	1745.4	11.1	NA	NA	157.24	11.1
351			Dimethylformamide	68-12-2	8334.54	114	2800.1	38.3	3750.5	51.3	73.11	38.3
220		m-	Dinitrobenzene	99-65-0	65.57	0.39	82.4	0.49	NA	NA	168.12	0.49
68		2,4-	Dinitrophenol	51-28-5	38.67	0.21	29.5	0.16	44.2	0.24	184.12	0.16
332		1,4-	Dioxane	123-91-1	3357.37	38.1	4203.3	47.7	5701.4	64.7	88.12	47.7
71			Diphenhydramine * HCl	147-24-0	70.04	0.24	855.1	2.93	113.8	0.39	291.85	2.93
82	44		Diphenylhydantoin	57-41-0	98.39	0.39	NA	NA	199.3	0.79	252.29	0.79
206			Diquat dibromide	85-00-7	55.05	0.16	230.5	0.67	234.0	0.68	344.08	0.67
51			Disulfoton	298-04-4	30.19	0.11	2.0	0.0073	5.5	0.02	274.42	0.0073
226			Dodecylbenzene sodiumsulfonate	25155-30-0	146.38	0.42	1261.6	3.62	2000.5	5.74	348.52	3.62
57		L-	Dopa	59-92-7	25.64	0.13	1780.8	9.03	2366.5	12	197.21	9.03
11			Doxorubicin * HCl	25316-40-9	0.19	0.00033	NA	NA	696.0	1.2	580.03	1.2
244			Doxylamine succinate	562-10-7	291.38	0.75	NA	NA	470.1	1.21	388.51	1.21
10			Emetine	483-18-1	0.08	0.00016	67.3	0.14	NA	NA	480.71	0.14
169			Epinephrine bitartrate	51-42-3	9.33	0.028	NA	NA	4.0	0.012	333.33	0.012
130	9		Ethanol	64-17-5	17464.32	379	14008.3	304	7787.5	169	46.08	304
353			Ethyl acetate	141-78-6	11279.36	128	11015.0	125	NA	NA	88.12	125
349			Ethyl methyl ketone	78-93-3	7500.48	104	3396.9	47.1	NA	NA	72.12	47.1
307		2-	Ethylbutanal	97-96-1	1322.38	13.2	3977.1	39.7	NA	NA	100.18	39.7
360	7		Ethylene glycol	107-21-1	34454.40	555	8567.0	138	7511.7	121	62.08	138

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
24			Ethylenediamine-tetraacetic acid	60-00-4	2.92	0.01	NA	NA	NA	NA	292.28	
261	3		Ferrous sulfate	7720-78-7	281.03	1.85	319.0	2.1	978.3	6.44	151.91	2.1
35			Flufenamic acid	530-78-9	8.16	0.029	272.8	0.97	714.4	2.54	281.25	0.97
17		5-	Fluorouracil	51-21-8	0.34	0.0026	230.3	1.77	114.5	0.88	130.09	1.77
202			Formaldehyde	50-00-0	3.60	0.12	798.8	26.6	NA	NA	30.03	26.6
109			Frusemide	54-31-9	770.67	2.33	2599.8	7.86	4597.6	13.9	330.76	7.86
171			Fumagillin	297-95-0	14.22	0.031	NA	NA	1999.5	4.36	458.6	4.36
108			Gibberellic acid	77-06-5	796.74	2.3	6304.7	18.2	NA	NA	346.41	18.2
222			Glibenclamide	10238-21-8	197.62	0.4	NA	NA	3250.8	6.58	494.05	6.58
101			Glutethimide	77-21-4	338.97	1.56	599.7	2.76	360.7	1.66	217.29	2.76
131			Glycerol	56-81-5	57476.64	624	12619.1	137	25975.0	282	92.11	137
326			Halothane	151-67-7	6138.83	31.1	5684.8	28.8	NA	NA	197.39	28.8
185			Heptachlor	76-44-8	22.02	0.059	41.1	0.11	67.2	0.18	373.3	0.11
288		1-	Heptanol	111-70-6	726.44	6.25	3254.4	28	1499.4	12.9	116.23	28
151			Hexachlorocyclopentadiene	77-47-4	0.85	0.0031	111.8	0.41	NA	NA	272.75	0.41
157	38		Hexachlorophene	70-30-4	3.21	0.0079	61.0	0.15	65.1	0.16	406.89	0.15
159			Hexadecyltrimethylammoniumbromide	57-09-0	3.24	0.0089	408.3	1.12	NA	NA	364.53	1.12
295		2,5-	Hexanedione	110-13-4	964.65	8.45	2705.6	23.7	NA	NA	114.16	23.7
352		1,2,6-	Hexanetriol	106-69-4	16506.60	123	15969.8	119	NA	NA	134.2	119
311		1-	Hexanol	111-27-3	1573.88	15.4	719.5	7.04	1952.0	19.1	102.2	7.04
187		4-	Hexylresorcinol	136-77-6	12.44	0.064	549.9	2.83	NA	NA	194.3	2.83
296			Homatropine methylbromide	80-49-9	3332.97	9	1199.9	3.24	1399.8	3.78	370.33	3.24
219			Hydralazine	86-54-4	52.87	0.33	89.7	0.56	121.8	0.76	160.2	0.56
32			Hydrocortisone	50-23-7	7.98	0.022	NA	NA	NA	NA	362.51	
236			Hydrogen peroxide 90%	7722-84-1	19.05	0.56	NA	NA	2000.4	58.8	34.02	58.8
267		p-	Hydroxybenzoic acid	99-96-7	403.34	2.92	NA	NA	2196.3	15.9	138.13	15.9
152		8-	Hydroxyquinoline	148-24-3	0.48	0.0033	1200.6	8.27	NA	NA	145.17	8.27
44			Hydroxyzine * HCl	1244-76-4	27.56	0.067	950.4	2.31	NA	NA	411.41	2.31
233			Ibuprofen	15687-27-1	107.28	0.52	1008.9	4.89	980.0	4.75	206.31	4.89
299			Imidazole	288-32-4	783.04	11.5	NA	NA	1879.3	27.6	68.09	27.6
238			Imidazolidinyl urea	39236-46-9	100.17	0.36	2598.9	9.34	3700.9	13.3	278.26	9.34
38			Imipramine * HCl	113-52-0	17.11	0.054	304.2	0.96	374.0	1.18	316.91	0.96
60			Indomethacin	53-86-1	57.25	0.16	12.2	0.034	19.0	0.053	357.81	0.034
198			Ioxynil	1689-83-4	40.80	0.11	111.3	0.3	NA	NA	370.91	0.3
90			Iproniazid	54-92-2	141.61	0.79	365.7	2.04	681.2	3.8	179.25	2.04
315			Isobenzoic furano dione		2518.04	17	4014.1	27.1	1999.6	13.5	148.12	27.1
309			Isobutanal	78-84-2	973.62	13.5	2812.7	39	NA	NA	72.12	39
334			Isobutanol	78-83-1	2973.01	40.1	2461.4	33.2	NA	NA	74.14	33.2
123	35		Isoniazid	54-85-3	1027.33	7.49	650.1	4.74	NA	NA	137.16	4.74

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #	Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
				ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
257		Isononylaldehyde	5435-64-3	216.25	1.52	3243.8	22.8	NA	NA	142.27	22.8
165		Isoproterenol * HCl	51-30-9	5.45	0.022	2219.8	8.96	NA	NA	247.75	8.96
253		Isoxepac	55453-87-7	356.81	1.33	198.5	0.74	NA	NA	268.28	0.74
26		Kelthane	115-32-2	4.45	0.012	574.2	1.55	418.6	1.13	370.48	1.55
341		Lactic acid	598-82-3	5945.94	66	3729.7	41.4	4873.9	54.1	90.09	41.4
46		Lead II chloride	7758-95-4	11.96	0.043	NA	NA	NA	NA	278.09	
223	32	Lindane	58-89-9	119.24	0.41	75.6	0.26	87.2	0.3	290.82	0.26
333		Lithium I chloride	7447-41-8	1636.25	38.6	758.8	17.9	1165.7	27.5	42.39	17.9
327	20	Lithium I sulfate	10377-48-7	3704.98	33.7	NA	NA	1187.4	10.8	109.94	10.8
343		Magnesium II chloride * 6 H2O	7791-18-6	14314.43	70.4	8092.5	39.8	NA	NA	203.33	39.8
67	15	Malathion	121-75-5	66.08	0.2	885.4	2.68	776.4	2.35	330.38	2.68
154		Maneb	12427-38-2	1.12	0.0042	4500.6	16.9	3994.7	15	266.31	16.9
56		Manganese IIchloride *4 H2O	13446-34-9	25.73	0.13	1484.4	7.5	NA	NA	197.92	7.5
48		Mefenamic acid	61-68-7	20.99	0.087	789.1	3.27	629.8	2.61	241.31	3.27
94		Menthol	89-78-1	148.49	0.95	3172.9	20.3	NA	NA	156.3	20.3
21		6-Mercaptopurine	50-44-2	1.22	0.008	NA	NA	280.0	1.84	152.19	1.84
29	28	Mercury II chloride	7487-94-7	4.07	0.015	1.0	0.0037	10.0	0.037	271.49	0.0037
85		Metamizol	68-89-3	193.94	0.58	7189.2	21.5	NA	NA	334.38	21.5
361	8	Methanol	67-56-1	29806.50	930	13012.3	406	NA	NA	32.05	406
356		2-Methoxyethanol	109-86-4	19103.61	251	2458.4	32.3	NA	NA	76.11	32.3
259		Methyl salicylate	119-36-8	258.67	1.7	887.1	5.83	NA	NA	152.16	5.83
160		N-Methyl-N'-nitro-N-nitroso- guanidine	70-25-7	1.77	0.012	89.7	0.61	NA	NA	147.12	0.61
78		6-Methylcoumarin	92-48-8	49.66	0.31	1681.9	10.5	NA	NA	160.18	10.5
142		Methylmercury chloride	115-09-3	0.18	0.00071	NA	NA	57.7	0.23	251.08	0.23
98		Methylparaben	99-76-3	216.07	1.42	NA	NA	1749.8	11.5	152.16	11.5
319		Methylpentinol	77-75-8	2336.21	23.8	NA	NA	525.2	5.35	98.16	5.35
283		Milrinone	78415-72-2	1007.61	4.77	90.8	0.43	137.3	0.65	211.24	0.43
14		Mitomycin C	50-07-7	0.28	0.00084	14.0	0.042	17.1	0.051	334.37	0.042
147		Mitoxantrone	65271-80-9	1.07	0.0024	586.8	1.32	NA	NA	444.54	1.32
172		Nabam	142-59-6	8.97	0.035	394.8	1.54	579.3	2.26	256.34	1.54
47		Naftipramide	1505-95-9	25.07	0.084	1029.7	3.45	1086.4	3.64	298.47	3.45
99		Nalidixic acid	389-08-2	348.39	1.5	1349.4	5.81	571.4	2.46	232.26	5.81
114		Natulan * HCl	366-70-1	706.37	2.74	783.7	3.04	NA	NA	257.8	3.04
74		Nickel II chloride	7718-54-9	34.99	0.27	105.0	0.81	NA	NA	129.61	0.81
336		Nicotinamide	98-92-0	5423.02	44.4	3505.4	28.7	NA	NA	122.14	28.7
103	18	Nicotine	54-11-5	290.45	1.79	50.3	0.31	24.3	0.15	162.26	0.31
275		Nitrioltriactic acid	139-13-9	690.09	3.61	1470.0	7.69	3154.1	16.5	191.16	7.69
221		2-Nitro-p-phenylene-diamine	5307-14-2	59.73	0.39	3078.5	20.1	NA	NA	153.16	20.1
302		Nitrobenzene	98-95-3	1502.06	12.2	640.2	5.2	NA	NA	123.12	5.2

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
148			Nitrogen mustard * HCl	55-86-7	0.50	0.0026	10.0	0.052	19.3	0.1	192.53	0.052
210		p-	Nitrophenol	100-02-7	27.82	0.2	350.6	2.52	467.4	3.36	139.12	2.52
339		1-	Nitropropane	79-46-9	5159.47	57.9	455.4	5.11	NA	NA	89.11	5.11
175			Norepinephrine	51-41-2	6.60	0.039	NA	NA	20.3	0.12	169.2	0.12
268		1-	Octanol	111-87-5	398.60	3.06	NA	NA	1784.6	13.7	130.26	13.7
230	42		Orphenadrine * HCl	341-69-5	149.88	0.49	425.2	1.39	125.4	0.41	305.88	1.39
7			Ouabain	630-60-4	0.04	0.000072	NA	NA	NA	NA	584.73	
164			Oxatomide	60607-34-3	8.11	0.019	1412.1	3.31	9598.7	22.5	426.61	3.31
65			Oxyphenbutazone	129-20-4	61.64	0.19	999.2	3.08	480.1	1.48	324.41	3.08
176			Papaverine	58-74-2	15.27	0.045	325.8	0.96	230.8	0.68	339.42	0.96
235	25		Paraquat	4685-14-7	100.58	0.54	57.7	0.31	195.6	1.05	186.25	0.31
49			Parathion	56-38-2	27.09	0.093	2.0	0.0069	6.1	0.021	291.28	0.0069
173	39		Pentachlorophenol	87-86-5	9.59	0.036	50.6	0.19	NA	NA	266.32	0.19
322		1-	Pentanol	71-41-0	2195.43	24.9	3033.0	34.4	200.1	2.27	88.17	34.4
87			Pentobarbital sodium	57-33-0	176.29	0.71	201.1	0.81	280.6	1.13	248.29	0.81
240			Pentoxifylline	6493-05-6	183.71	0.66	NA	NA	1386.2	4.98	278.35	4.98
97			Phenacetin	62-44-2	227.63	1.27	1650.8	9.21	1220.6	6.81	179.24	9.21
118	24		Phenobarbital	50-06-6	884.91	3.81	162.6	0.7	167.2	0.72	232.26	0.7
115	12		Phenol	108-95-2	283.30	3.01	414.1	4.4	300.2	3.19	94.12	4.4
79			Phenylbutazone	50-33-9	98.69	0.32	376.3	1.22	441.0	1.43	308.41	1.22
218		o-	Phenylenediamine	95-54-5	33.53	0.31	1069.7	9.89	NA	NA	108.16	9.89
180		p-	Phenylenediamine	106-50-3	5.41	0.05	80.0	0.74	NA	NA	108.16	0.74
282		(-)-	Phenylephrine	59-42-7	744.17	4.45	349.5	2.09	NA	NA	167.23	2.09
278			Phenylephrine * HCl	939-38-8	847.35	4.16	350.3	1.72	120.2	0.59	203.69	1.72
234			Phenylthiourea	103-85-5	82.20	0.54	3.0	0.02	10.0	0.066	152.23	0.02
342			Piperazine	110-85-0	5789.95	67.2	1904.1	22.1	1438.9	16.7	86.16	22.1
146			Potassium bichromate VI	7778-50-9	0.59	0.002	NA	NA	191.2	0.65	294.2	0.65
145			Potassium chromate VI	7789-00-6	0.29	0.0015	NA	NA	180.6	0.93	194.2	0.93
277			Potassium cyanate	590-28-3	335.84	4.14	NA	NA	843.6	10.4	81.12	10.4
252	19		Potassium cyanide	151-50-8	72.93	1.12	9.8	0.15	8.5	0.13	65.12	0.15
335			Potassium hexacyano- ferrate II	13943-58-3	15582.05	42.3	6409.6	17.4	5009.8	13.6	368.37	17.4
266			Potassium hexacyanoferrate III	13746-66-2	928.54	2.82	NA	NA	2970.0	9.02	329.27	9.02
346	50		Potassium I chloride	7447-40-7	6113.10	82	2601.8	34.9	1498.5	20.1	74.55	34.9
269			Potassium I fluoride	7789-23-3	181.85	3.13	245.2	4.22	NA	NA	58.1	4.22
36			Progesterone	57-83-0	9.44	0.03	NA	NA	NA	NA	314.51	
348		1-	Propanol	71-23-8	5800.62	96.5	5397.9	89.8	NA	NA	60.11	89.8
128	10	2-	Propanol	67-63-0	10038.37	167	5842.7	97.2	NA	NA	60.11	97.2
270			Propionaldehyde	123-38-6	188.79	3.25	1411.6	24.3	NA	NA	58.09	24.3
54	23		Propranolol * HCl	318-98-9	35.50	0.12	NA	NA	470.4	1.59	295.84	1.59

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
357			Propylene glycol	57-55-6	26029.62	342	20016.9	263	23974.7	315	76.11	263
209			Propylparaben	94-13-3	32.44	0.18	NA	NA	6325.7	35.1	180.22	35.1
12			Puromycin	53-79-2	0.16	0.00033	NA	NA	674.4	1.43	471.58	1.43
337			Pyridine	110-86-1	3710.26	46.9	893.9	11.3	NA	NA	79.11	11.3
53	43		Quinidine sulfate	50-54-4	50.70	0.12	456.3	1.08	595.8	1.41	422.54	1.08
45			Quinine * HCl	130-89-2	27.07	0.075	620.8	1.72	1158.6	3.21	360.92	1.72
216			Refortan		78.28	0.25	3162.3	10.1	NA	NA	313.1	10.1
245			Resorcinol	108-46-3	88.10	0.8	300.6	2.73	NA	NA	110.12	2.73
201		13-cis-	Retinoic acid	4759-48-2	36.06	0.12	NA	NA	3395.4	11.3	300.48	11.3
139			Retinol	68-26-8	0.15	0.00054	1999.8	6.98	4011.0	14	286.5	6.98
134			Rotenone	83-79-4	0.05	0.00013	130.2	0.33	351.1	0.89	394.45	0.33
314			Saccharin	81-07-2	3004.32	16.4	NA	NA	17000.0	92.8	183.19	92.8
95			Salicylamide	65-45-2	148.12	1.08	1892.7	13.8	1398.9	10.2	137.15	13.8
178			Salicylanilide	87-17-2	9.81	0.046	NA	NA	2409.7	11.3	213.25	11.3
272			Salicylic acid	69-72-7	466.88	3.38	890.9	6.45	479.3	3.47	138.13	6.45
251			Scopolamine * HBr	6533-68-2	415.05	1.08	1268.2	3.3	1879.3	4.89	384.31	3.3
69			Secobarbital sodium	309-43-3	54.66	0.21	124.9	0.48	NA	NA	260.3	0.48
161			Silver I nitrate	7761-88-8	2.21	0.013	NA	NA	49.3	0.29	169.88	0.29
30			Sodium arsenate, dibasic	7778-43-0	2.79	0.015	NA	NA	NA	NA	185.91	
241			Sodium azide	26628-22-8	46.16	0.71	44.9	0.69	27.3	0.42	65.02	0.69
144			Sodium bichromate VI	10588-01-9	0.24	0.00093	49.8	0.19	NA	NA	261.98	0.19
344	13		Sodium chloride	7647-14-5	4435.60	75.9	2998.0	51.3	3997.3	68.4	58.44	51.3
329			Sodium cyclamate	139-05-9	7123.90	35.4	15254.0	75.8	17004.8	84.5	201.24	75.8
76			Sodium dodecyl sulfate	151-21-3	78.15	0.27	1288.0	4.45	NA	NA	289.43	4.45
345			Sodium I bromide	7647-15-6	8120.81	77.4	3504.3	33.4	6998.2	66.7	104.92	33.4
106	14		Sodium I fluoride	7681-49-4	77.68	1.85	180.1	4.29	NA	NA	41.99	4.29
255			Sodium monochloroacetate	3926-62-3	168.90	1.45	75.7	0.65	NA	NA	116.48	0.65
227	46		Sodium oxalate	62-76-0	58.96	0.44	155.4	1.16	NA	NA	134	1.16
119			Sodium salicylate	54-21-7	693.28	4.33	1599.5	9.99	899.8	5.62	160.11	9.99
290			Sodium sulfite	7757-83-7	854.55	6.78	NA	NA	820.5	6.51	126.04	6.51
156			Stearyltrimethylammoniumchloride	112-03-8	2.09	0.006	NA	NA	536.1	1.54	348.13	1.54
265			Streptomycin sulfate	298-39-5	3979.25	2.73	NA	NA	495.6	0.34	1457.6	0.34
331			Strontium II chloride	10476-85-4	5770.13	36.4	2251.0	14.2	3107.0	19.6	158.52	14.2
5		K-	Strophantin		0.03	0.000044	NA	NA	NA	NA	710.9	
271			Styrene	100-42-5	343.73	3.3	4999.7	48	315.6	3.03	104.16	48
93			Sulfisoxazole	127-69-5	227.23	0.85	NA	NA	6790.2	25.4	267.33	25.4
330			Sulfuric acid	7664-93-9	3530.88	36	2138.1	21.8	NA	NA	98.08	21.8
135		2,3,7,8-	Tetrachloro-dibenzo-p-dioxin	1746-01-6	0.06	0.0002	NA	NA	0.1	0.00035	321.96	0.00035
289			Tetrachloroethene	127-18-4	1084.46	6.54	8854.8	53.4	8092.0	48.8	165.82	53.4

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
59			Tetracycline * HCl	64-75-5	67.33	0.14	6444.6	13.4	NA	NA	480.94	13.4
350			Tetrahydrofurfuryl alcohol	97-99-4	11338.65	111	2502.7	24.5	2298.4	22.5	102.15	24.5
247		(+)-	Thalidomide	731-40-8	209.18	0.81	NA	NA	400.3	1.55	258.25	1.55
203			Thallium I acetate	563-68-8	36.88	0.14	NA	NA	34.2	0.13	263.42	0.13
181	30		Thallium I sulfate	7446-18-6	27.26	0.054	NA	NA	28.8	0.057	504.8	0.057
105	21		Theophylline	58-55-9	329.75	1.83	NA	NA	600.0	3.33	180.19	3.33
303			Theophylline sodium	3485-82-3	2519.43	12.4	NA	NA	445.0	2.19	203.18	2.19
280			Theophylline sodium acetate	8002-89-9	1098.74	4.19	582.2	2.22	NA	NA	262.23	2.22
25			Thio-TEPA	52-24-4	2.08	0.011	NA	NA	37.8	0.2	189.24	0.2
279			Thioacetamide	62-55-5	313.33	4.17	301.3	4.01	NA	NA	75.14	4.01
140		6-	Thioguanine	154-42-7	0.10	0.00057	NA	NA	160.5	0.96	167.21	0.96
83			Thiopental	76-75-5	133.30	0.55	NA	NA	601.1	2.48	242.37	2.48
170	29		Thioridazine * HCl	130-61-0	11.81	0.029	NA	NA	358.2	0.88	407.07	0.88
80		2-	Thiouracil	141-90-2	41.01	0.32	999.6	7.8	NA	NA	128.16	7.8
347			Thiourea	62-56-6	6547.18	86	124.9	1.64	8526.6	112	76.13	1.64
214			Thymol	89-83-8	34.56	0.23	979.6	6.52	1802.9	12	150.24	6.52
256			Tin II chloride	7772-99-8	286.28	1.51	699.6	3.69	1200.1	6.33	189.59	3.69
104			Tolbutamide	64-77-7	489.39	1.81	NA	NA	2601.1	9.62	270.38	9.62
316			Toluene	108-88-3	1575.77	17.1	5003.7	54.3	NA	NA	92.15	54.3
194		p-	Toluyldiamine	95-70-5	11.49	0.094	101.4	0.83	NA	NA	122.19	0.83
1			Trenimon	68-76-8	0.00	0.0000033	NA	NA	NA	NA	231.28	
310			Tributylamine	102-82-9	2855.16	15.4	539.5	2.91	NA	NA	185.4	2.91
138			Tributyltin chloride	1461-22-9	0.18	0.00054	120.4	0.37	NA	NA	325.53	0.37
75			Trichlorfon	52-68-6	69.51	0.27	450.5	1.75	298.6	1.16	257.44	1.75
294			Trichloroacetic acid	76-03-9	1338.08	8.19	4999.4	30.6	5636.6	34.5	163.38	30.6
242		1,2,4-	Trichlorobenzene	120-82-1	128.82	0.71	756.6	4.17	765.7	4.22	181.44	4.17
297	11	1,1,1-	Trichloroethane	71-55-6	1374.02	10.3	10298.5	77.2	11245.6	84.3	133.4	77.2
228		2,4,5-	Trichlorophen- oxyacetic acid	93-76-5	112.41	0.44	298.9	1.17	388.3	1.52	255.48	1.17
126			Triethyl citrate	77-93-0	4061.90	14.7	6990.9	25.3	NA	NA	276.32	25.3
143			Triethylene melamine	51-18-3	0.16	0.00078	1.0	0.005	14.9	0.073	204.27	0.005
137			Triethyltin chloride	994-31-0	0.11	0.00046	5.1	0.021	NA	NA	241.35	0.021
318			Trifluoroacetic acid	76-05-1	2337.62	20.5	199.6	1.75	NA	NA	114.03	1.75
166			Triisooctylamine	2757-28-0	8.14	0.023	1620.2	4.58	NA	NA	353.76	4.58
354		1,3,5-	Trioxane	110-88-3	19189.17	213	800.0	8.88	NA	NA	90.09	8.88
132			Triphenyltin hydroxide	76-87-9	0.02	0.000049	44.0	0.12	245.9	0.67	367.03	0.12
182			Triton X-100	9002-93-1	35.59	0.055	1798.7	2.78	NA	NA	647	2.78
50			Trypan blue	72-57-1	91.66	0.095	6204.2	6.43	NA	NA	964.88	6.43
231			Tween 80	9005-65-6	641.90	0.49	NA	NA	25021.0	19.1	1310	19.1
208			Undecylenic acid	112-38-9	33.18	0.18	2506.6	13.6	8496.7	46.1	184.31	13.6

**Section 7.2**  
**Table 7.3**  
**Chemical Data from the Registry of Cytotoxicity Data Bank (Alphabetical))**

RC #	MEIC #	Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
				ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
323		Urethan	51-79-6	2307.95	25.9	NA	NA	2504.0	28.1	89.11	28.1
250		Valproate sodium	1069-66-5	166.22	1	NA	NA	1695.4	10.2	166.22	10.2
196	40	VerapamilHCl	152-11-4	49.11	0.1	108.0	0.22	162.1	0.33	491.13	0.22
205		Versalide	88-29-9	38.77	0.15	315.3	1.22	NA	NA	258.44	1.22
4		Vincristine sulfate	2068-78-2	0.01	0.000015	NA	NA	NA	NA	923.14	
86	31	Warfarin	81-81-2	206.59	0.67	323.8	1.05	373.1	1.21	308.35	1.05
313		Xanthinol nicotinate	437-74-1	6865.26	15.8	14121.6	32.5	17336.9	39.9	434.51	32.5
301	17	Xylene	1330-20-7	1274.16	12	4300.3	40.5	NA	NA	106.18	40.5
55		Zinc II chloride	7646-85-7	17.72	0.13	350.2	2.57	350.2	2.57	136.27	2.57
186		Zineb	12122-67-7	16.27	0.059	5211.3	18.9	7610.1	27.6	275.73	18.9



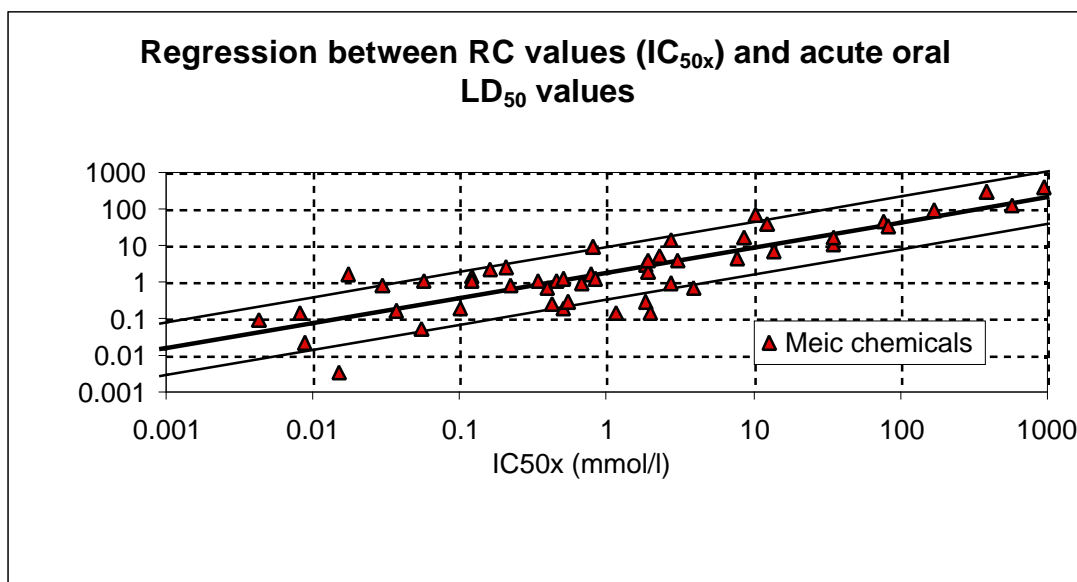
**Section 7.2**  
**Table 7.4**  
**Registry of Cytotoxicity Data - MEIC Chemicals (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
29	28		Mercury II chloride	7487-94-7	4.07	0.015	1.0	0.0037	10.0	0.037	271.49	0.0037
252	19		Potassium cyanide	151-50-8	72.93	1.12	9.8	0.15	8.5	0.13	65.12	0.15
153	26		Arsenic III trioxide	1327-53-3	0.83	0.0042	19.8	0.1	45.5	0.23	197.84	0.1
103	18		Nicotine	54-11-5	290.45	1.79	50.3	0.31	24.3	0.15	162.26	0.31
173	39		Pentachlorophenol	87-86-5	9.59	0.036	50.6	0.19	NA	NA	266.32	0.19
262	47		Amphetamine sulfate	60-13-9	726.02	1.97	55.3	0.15	24.0	0.065	368.54	0.15
235	25		Paraquat	4685-14-7	100.58	0.54	57.7	0.31	195.6	1.05	186.25	0.31
157	38		Hexachlorophene	70-30-4	3.21	0.0079	61.0	0.15	65.1	0.16	406.89	0.15
223	32		Lindane	58-89-9	119.24	0.41	75.6	0.26	87.2	0.3	290.82	0.26
229	22		Dextropropoxyphene * HCl	1639-60-7	184.23	0.49	82.7	0.22	82.7	0.22	375.98	0.22
196	40		VerapamilHCl	152-11-4	49.11	0.1	108.0	0.22	162.1	0.33	491.13	0.22
227	46		Sodium oxalate	62-76-0	58.96	0.44	155.4	1.16	NA	NA	134	1.16
118	24		Phenobarbital	50-06-6	884.91	3.81	162.6	0.7	167.2	0.72	232.26	0.7
106	14		Sodium I fluoride	7681-49-4	77.68	1.85	180.1	4.29	NA	NA	41.99	4.29
112	48		Caffeine	58-08-2	512.74	2.64	192.3	0.99	619.6	3.19	194.22	0.99
81	27		Cupric sulfate * 5 H2O	7758-99-8	82.40	0.33	299.6	1.2	NA	NA	249.7	1.2
261	3		Ferrous sulfate	7720-78-7	281.03	1.85	319.0	2.1	978.3	6.44	151.91	2.1
183	5		Amitriptyline	50-48-6	15.54	0.056	319.1	1.15	147.0	0.53	277.44	1.15
86	31		Warfarin	81-81-2	206.59	0.67	323.8	1.05	373.1	1.21	308.35	1.05
246	37		Barium II nitrate	10022-31-8	211.70	0.81	355.4	1.36	NA	NA	261.36	1.36
89	16	2,4-	Dichlorophenoxy- acetic acid	94-75-7	170.20	0.77	369.1	1.67	366.9	1.66	221.04	1.67
115	12		Phenol	108-95-2	283.30	3.01	414.1	4.4	300.2	3.19	94.12	4.4
230	42		Orphenadrine * HCl	341-69-5	149.88	0.49	425.2	1.39	125.4	0.41	305.88	1.39
53	43		Quinidine sulfate	50-54-4	50.70	0.12	456.3	1.08	595.8	1.41	422.54	1.08
70	49		Atropine sulfate	55-48-1	148.92	0.22	622.7	0.92	764.9	1.13	676.9	0.92
123	35		Isoniazid	54-85-3	1027.33	7.49	650.1	4.74	NA	NA	137.16	4.74
63	4		Diazepam	439-14-5	45.56	0.16	709.1	2.49	535.3	1.88	284.76	2.49
67	15		Malathion	121-75-5	66.08	0.2	885.4	2.68	776.4	2.35	330.38	2.68
308	33		Chloroform	67-66-3	1599.56	13.4	908.4	7.61	35.8	0.3	119.37	7.61
31	41		Chloroquine diphosphate	50-63-5	8.77	0.017	969.9	1.88	500.4	0.97	515.92	1.88
107	2		Acetylsalicylic acid	50-78-2	408.99	2.27	999.9	5.55	814.4	4.52	180.17	5.55
328	36		Dichloromethane	75-09-2	2964.06	34.9	1596.7	18.8	NA	NA	84.93	18.8
113	1		Acetaminophen	103-90-2	409.70	2.71	2403.8	15.9	338.6	2.24	151.18	15.9
346	50		Potassium I chloride	7447-40-7	6113.10	82	2601.8	34.9	1498.5	20.1	74.55	34.9
125	34		Carbon tetrachloride	56-23-5	1308.92	8.51	2799.3	18.2	12797.0	83.2	153.81	18.2
344	13		Sodium chloride	7647-14-5	4435.60	75.9	2998.0	51.3	3997.3	68.4	58.44	51.3
91	45		Chloramphenicol	56-75-7	255.29	0.79	3393.1	10.5	2640.1	8.17	323.15	10.5

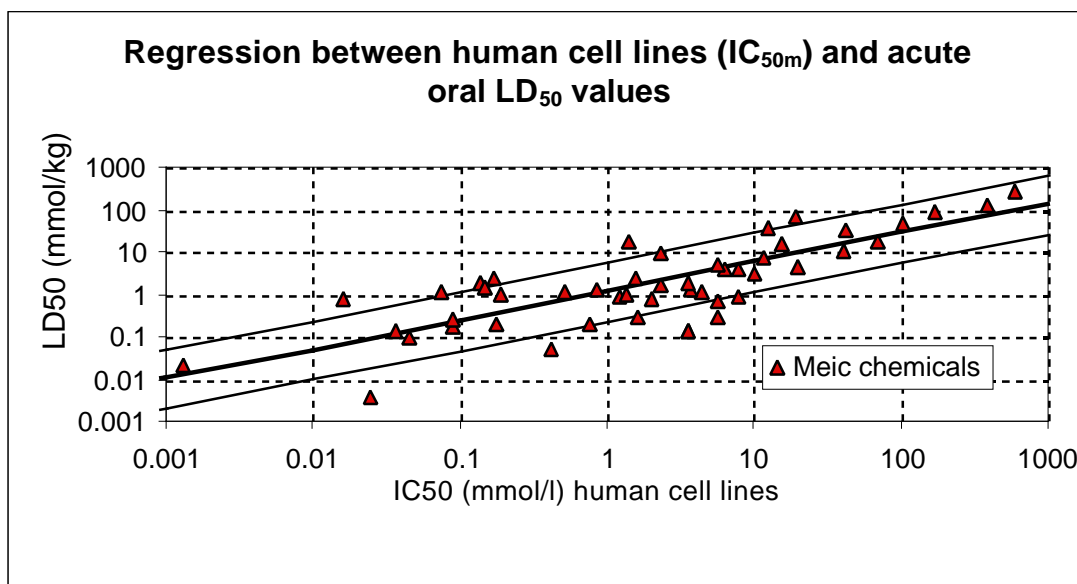
**Section 7.2**  
**Table 7.4**  
**Registry of Cytotoxicity Data - MEIC Chemicals (Sorted by Rat LD50 Oral mg/kg)**

RC #	MEIC #		Chemical	CAS #	IC50x		LD50 RAT		LD50 MOUSE		MW	Rodent LD50 (mmol/kg) for Regression
					ug/ml	mmol/l	mg/kg	mmol/kg	mg/kg	mmol/kg		
301	17		Xylene	1330-20-7	1274.16	12	4300.3	40.5	NA	NA	106.18	40.5
128	10	2-	Propanol	67-63-0	10038.37	167	5842.7	97.2	NA	NA	60.11	97.2
360	7		Ethylene glycol	107-21-1	34454.40	555	8567.0	138	7511.7	121	62.08	138
297	11	1,1,1-	Trichloroethane	71-55-6	1374.02	10.3	10298.5	77.2	11245.6	84.3	133.4	77.2
361	8		Methanol	67-56-1	29806.50	930	13012.3	406	NA	NA	32.05	406
130	9		Ethanol	64-17-5	17464.32	379	14008.3	304	7787.5	169	46.08	304
22	6		Digoxin	20830-75-5	6.64	0.0085	NA	NA	18.0	0.023	781.05	0.023
327	20		Lithium I sulfate	10377-48-7	3704.98	33.7	NA	NA	1187.4	10.8	109.94	10.8
105	21		Theophylline	58-55-9	329.75	1.83	NA	NA	600.0	3.33	180.19	3.33
54	23		Propranolol * HCl	318-98-9	35.50	0.12	NA	NA	470.4	1.59	295.84	1.59
170	29		Thioridazine * HCl	130-61-0	11.81	0.029	NA	NA	358.2	0.88	407.07	0.88
181	30		Thallium I sulfate	7446-18-6	27.26	0.054	NA	NA	28.8	0.057	504.8	0.057
82	44		Diphenylhydantoin	57-41-0	98.39	0.39	NA	NA	199.3	0.79	252.29	0.79

## Calculation of the Regression Between Cytotoxicity and Acute Oral Toxicity



**Figure 7.1** Regression between RC values ( $IC_{50x}$ ) and acute oral  $LD_{50}$  values (MEIC chemicals)



**Figure 7.2** Regression between human cell lines ( $IC_{50m}$ ) and acute oral  $LD_{50}$  values (MEIC chemicals)

