

Food and Drug Administration Rockville, MD 20857

TRANSMITTED BY FACSIMILE

Mary Ellen Evanich Regulatory Affairs Bayer Corporation 400 Morgan Lane West Hayen, CT 06516-4175

RE:

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MACMIS ID #10099

Dear Ms. Evanich:

As part of its routine monitoring and surveillance program, the Division of Drug Marketing, Advertising, and Communications (DDMAC) has identified certain promotional activities by Bayer Corporation (Bayer) that are in violation of the Federal Food, Drug, and Cosmetic Act (Act). Specifically, Bayer is promoting its investigational new drug, vardenafil, as safe or effective for erectile dysfunction at its promotional exhibit booth at the 96th annual meeting of the American Urological Association (AUA) in Anaheim.

Section 21 CFR 312.7 states, among other things, that an investigational new drug may not be promoted as being safe or effective for the uses under investigation. Your exhibit booth at AUA includes posters describing the safety or effectiveness of vardenafil, an investigational treatment for erectile dysfunction. For example, you present claims including, but not limited to, "[v]ardenafil was generally safe and well tolerated and had no clinically significant influence on physical examination, vital signs, or electrocardiogram and laboratory parameters," "...investigators concluded that there was convincing evidence that the clinical activity of vardenafil was consistent with its high selectivity and had a favorable adverse event profile," "[v]ardenafil is a potent and selective inhibitor of PDE5," and "...compared with placebo, oral treatment with 20 or 40 milligrams of vardenafil resulted in earlier, longer-lasting erections with better rigidity and tumescence following visual stimulation." These claims concerning the safety or effectiveness of your investigational product are violative.

Moreover, your representatives are disseminating a poster book and an audiocassette at your exhibit booth that include the same or similar violative claims and representations.

In order to address these objections, DDMAC requests that Bayer immediately discontinue the use of these, and all promotional materials and activities for vardenafil that contain the same or similar violations. Bayer's written response, indicating its intent to comply with this request, should be received on or before June 20, 2001. This response should include a list of all similarly violative promotional materials and your method for discontinuing their use.

Mary Ellen E	vanich
Bayer Corpor	ation
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If you have any questions or comments, please contact the undersigned by facsimile at (301) 594-6771, or at the Food and Drug Administration, Division of Drug Marketing, Advertising and Communications, HFD-42, Rm. 17B-20, 5600 Fishers Lane, Rockville, MD 20857. DDMAC reminds you that only written communications are considered official.

In all future correspondence regarding this particular matter, please refer to MACMIS ID #10099 in addition to the IND number.

Sincerely,

{See appended electronic signature page}

Mark W. Askine Branch Chief Division of Drug Marketing, Advertising, and Communications This is a representation of an electronic record that was signed electronically and this page is the manifestation of the electronic signature.

/s/

Mark Askine 6/6/01 08:54:06 AM

Selectivity Profile of Verdensfil for the Officent PDE Isoenzymes

	VARDENAPILK (nM) VARDINAPIL Ratho to PD63	0.7	157 224	180 257	2,500 3,600	4,000	000'01< 000'01
: . 4 ⁻	VARDENA	PDES	POEA	PDE	POE3	1064	PDE2

sources were isolated and character ized and the inhibitory potency of vardenafil was determined with a PDE isoenzymes from different scintillation proximity assay. Vardenafil is a potent and selective inhibitor of PDE5.

markedly higher concentrations of Other PDE isoenzymes required vardenafil for inhibition.

Efficacy of Oral Vardenafil² Effect of Vardenafil on cGMP Levels'



penile erections in consc ducibly induced dase to after oral administrati

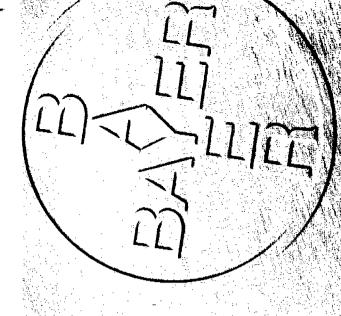
At all concertifications, vardenafil

(SNP)

which is consistent with its prof had no effect on cAMP levels.

This effect was enhanced by the NO donor sodium nitroprusside

corpus cavernosum.



Vardenafil (1-30 mg/kg);

Vardenafil produced dose-dependent increases in GMP levels in rabbit

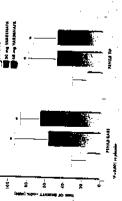
MPAIRED ERECTILE TUNGTION IN THE NEW MILLENNING

(ardenafil clinical data (phase | and ||)

In a randomized, double-blind, safety study, 12 subjects aged 18 to 45 years received once-daily oral doses of 40 mg vardenatil or placebo for 14 days.

Vardenafil was generally safe and well tolerated and had no clinically significant influence on physical examination, vital signs, or electrocardiogram and laboratory parameters.¹

Mean Duration of Penile Rigidity (>60%) at Base and Tip in Response to Placebo and to 20- and 40-mg Doses of Vardenetil?



In a randomized, double-blind, placebocontrolled, three-way crossover design study, 21 patients with impaired erecille function received 20 or 40 mg oral doses of vardenafit or placebo.

lasted fonger, and showed better rigidity and tumescence in the vardenafil treatment group.

Both doses of vardenafil produced statistically significant (P<0.001) increases in duration of penile rigidity compared with placebo.

Percentage of Successful Attempts at Sexual Intercourse During 4-Week Baseline Period and the Last 4 Weeks of Treatment³

		į
70,4		ā
71.17	٠ _٠ -	: 19 00
LAST TWO YIERS	· · · .	25.7

In a 12-week, double-blind, randomized, placebo-controlled, fixed-dose study, 601 men with impoired erectile function of various eliplogies were treated with 5, 10- of 20, mg of varidenatill or placebo-conce daily as needed.

The proportion of successful attenuits of several infercourse, the hardness of sections and the overall joint of

response on Visual sexual stimulation

RigiScan" measurements of erectile

were also significantly increased with vardenafil (P<0.05).

Safety Results: Adverse Events³

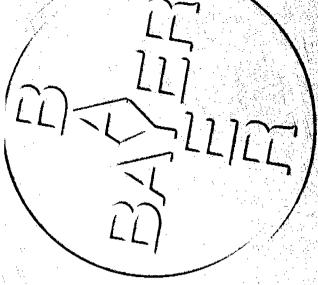


In the 12 week study, no serious drug-related adverse events were observed.

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