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## **Product Information**

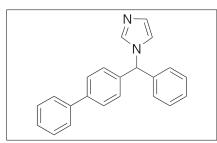
Product ID B3320 CAS No. 60628-96-8

Chemical Name 1-([1,1'-Biphenyl]-4-yl-phenylmethyl)-1H-imidazole

Synonym Amycor, Bedriol, Mycospor, Mycosporan

Formula C<sub>22</sub>H<sub>18</sub>N<sub>2</sub> Formula Wt. 310.39 Melting Point 142°C Purity ≥98%

Solubility Soluble in alcohols, DMF or DMSO.



## **Pricing and Availability**

Bulk quanitites available upon request

Product ID	Size	List Price
B3320	1 g	\$47.60
B3320	5 g	\$118.90
B3320	25 g	\$382.50

Store Temp Ambient Ship Temp Ambient

Description Bifonazole is an imidazole antifungal that also exhibits anticancer activity. Bifonazole inhibits calmodulin, HMG-CoA reductase,

and 14-a demethylase in fungi such as dermatophytes. Bifonazole also decreases cell viability and induces Ca2+-dependent

apoptosis in prostate cancer cells and melanoma cells.

References Cheng JS, Chou CT, Liang WZ, et al. The mechanism of bifonazole-induced [Ca2+]i rises and non-Ca2+-triggered cell death in PC3 human prostate cancer cells. J Recept Signal Transduct Res. 2014 May 22:1-7. PMID: 24849495.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.