LKT Laboratories, Inc.

Diaveridine Hydrochloride

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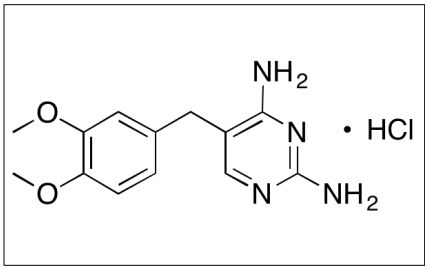
Product Information

Product ID D3302
CAS No. 2507-23-5
Chemical Name 5-[(3,4-Dimethoxyphenyl)methyl]-2,4-pyrimidine- diamine HCl

Synonym

Formula $C_{13}H_{16}N_4O_2 \cdot HCl$
Formula Wt. 296.74
Melting Point
Purity ≥98%
Solubility Soluble in water.



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
D3302	1 g	$81.70
D3302	10 g	$428.70

Store Temp Ambient
Ship Temp Ambient
Description Diaveridine is a coccidiostat used in veterinary medicine that exhibits anti-parasitic activity. Diaveridine inhibits dihydrofolate reductase, preventing folic acid synthesis in species of *Pneumocystis*. Diaveridine is also genotoxic, inducing structural chromosomal aberrations and inducing DNA damage in vitro.

References

Ono T, Sekiya T, Takahashi Y, et al. The genotoxicity of diaveridine and trimethoprim. Environ Toxicol Pharmacol. 1997 Sep;3 (4):297-306. PMID: 21781790.

Cirioni O, Giacometti A, Scalise G. In-vitro activity of atovaquone, sulphamethoxazole and dapsone alone and combined with inhibitors of dihydrofolate reductase and macrolides against Pneumocystis carinii. J Antimicrob Chemother. 1997 Jan;39(1):45 -51. PMID: 9044027.

Walzer PD, Kim CK, Foy JM, et al. Inhibitors of folic acid synthesis in the treatment of experimental Pneumocystis carinii pneumonia. Antimicrob Agents Chemother. 1988 Jan;32(1):96-103. PMID: 3258144.