



LKT Laboratories, Inc.

## Diaveridine

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** D3301

**CAS No.** 5355-16-8

**Chemical Name** 5-[(3,4-Dimethoxyphenyl)methyl]-2,4-pyrimidine- diamine

**Synonym** Diaveridin

**Formula** C<sub>13</sub>H<sub>16</sub>N<sub>4</sub>O<sub>2</sub>

**Formula Wt.** 260.29

**Melting Point** 233° C

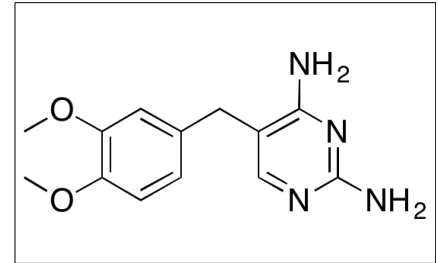
**Purity** ≥98%

**Solubility** Soluble in HCl or chloroform  
(1:600).

**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.



**Bulk quantities available upon request**

Product ID	Size
D3301	250 mg
D3301	1 g
D3301	10 g

**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.

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