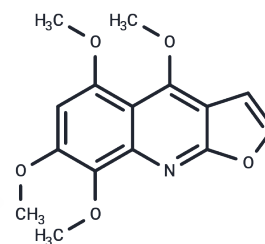


5,7,8-Trimethoxydictamine

Chemical Properties

CAS No. :	521-43-7
Formula:	C ₁₅ H ₁₅ NO ₅
Molecular Weight:	289.28
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	5,7,8-Trimethoxydictamine is a quinoline alkaloid that has been found in Rutaceae and has antimalarial activity. It is active against chloroquine-sensitive and -resistant strains of <i>P. falciparum</i> (IC ₅₀ s = 19.9 and 5.72 µg/ml, respectively).
Targets (IC ₅₀)	Others, Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4569 mL	17.2843 mL	34.5686 mL
5 mM	0.6914 mL	3.4569 mL	6.9137 mL
10 mM	0.3457 mL	1.7284 mL	3.4569 mL
50 mM	0.0691 mL	0.3457 mL	0.6914 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Basco, L.K.M., S., Skaltsounis, A.-L., Ravelomanantsoa, N., et al. In vitro activities of furoquinoline and acridone alkaloids against *Plasmodium falciparum*. *Antimicrob. Agents Chemother.* 38(5):1169-1171 (1994)

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