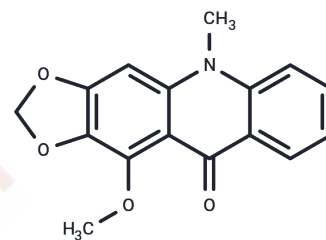


Evoxanthine

Chemical Properties

CAS No. :	477-82-7
Formula:	C ₁₆ H ₁₃ NO ₄
Molecular Weight:	283.28
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	Evoxanthine is an alkaloid that has been found in <i>O. renieri</i> and has antimalarial and anticancer activities. ^{1,2} It is active against <i>P. falciparum</i> with an IC ₅₀ value of 67.6 µg/ml. ¹ Evoxanthine decreases proliferation of nine sensitive and drug-resistant cancer cell lines (IC ₅₀ s = 6.11-80.99 µM). ²
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5301 mL	17.6504 mL	35.3008 mL
5 mM	0.706 mL	3.5301 mL	7.0602 mL
10 mM	0.353 mL	1.765 mL	3.5301 mL
50 mM	0.0706 mL	0.353 mL	0.706 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

- Khalid, S.A., Farouk, A., Geary, T.G., et al. Potential antimalarial candidates from African plants: And in vitro approach using *Plasmodium falciparum*. *J. Ethnopharmacol.* 15(2), 201-209 (1986).
- Kuete, V., Fouotsa, H., Mbaveng, A.T., et al. Cytotoxicity of a naturally occurring furoquinoline alkaloid and four acridone alkaloids towards multi-factorial drug-resistant cancer cells. *Phytomedicine* 22(10), 946-951 (2015).

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