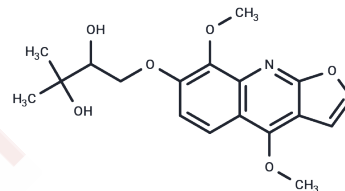


Evoxine

Chemical Properties

CAS No. :	522-11-2
Formula:	C ₁₈ H ₂₁ N ₁ O ₆
Molecular Weight:	347.36
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	Evoxine is a selective inhibitor of CO ₂ -induced immune suppression. It inhibits hypercapnic suppression of interleukin-6 and the chemokine CCL2 expression in human THP-1 macrophages.
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8789 mL	14.3943 mL	28.7886 mL
5 mM	0.5758 mL	2.8789 mL	5.7577 mL
10 mM	0.2879 mL	1.4394 mL	2.8789 mL
50 mM	0.0576 mL	0.2879 mL	0.5758 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

Kouam ADK, Bissoue AN, Tcho AT, Happi EN, Waffo AFK, Sewald N, Wansi JD. Antimicrobial Furoquinoline Alkaloids from *Vepris lecomteana* (Pierre) Cheek & T. Heller (Rutaceae). *Molecules*. 2017 Dec 21;23(1). pii: E13. doi: 10.3390/molecules23010013. PubMed PMID: 29267257.

Helenius IT, Nair A, Bittar HE, Sznajder JI, Sporn PH, Beitel GJ. Focused Screening Identifies Evoxine as a Small Molecule That Counteracts CO₂-Induced Immune Suppression. *J Biomol Screen*. 2016 Apr;21(4):363-71. doi: 10.1177/1087057115624091. Epub 2015 Dec 23. PubMed PMID: 26701099; PubMed Central PMCID: PMC5096368.

Kiplimo JJ, Islam MS, Koorbanally NA. A novel flavonoid and furoquinoline alkaloids from *Vepris glomerata* and their antioxidant activity. *Nat Prod Commun*. 2011 Dec;6(12):1847-50. PubMed PMID: 22312722.

Chu CC, Pan KL, Yao HT, Hsu JT. Development of a whole-cell screening system for evaluation of the human CYP1A2-mediated metabolism. *Biotechnol Bioeng*. 2011 Dec;108(12):2932-40. doi: 10.1002/bit.23256. Epub 2011 Aug 1. PubMed PMID: 21755496.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481