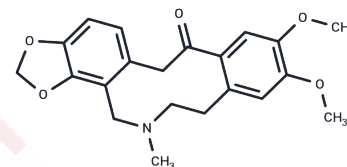


Cryptopine

Chemical Properties

CAS No. :	482-74-6
Formula:	C ₂₁ H ₂₃ NO ₅
Molecular Weight:	369.41
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	Cryptopine in vivo disturbs the cellular defense system, so that it tips in the direction of autoxidative lipid peroxidation, producing cytotoxicity.
-------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.707 mL	13.5351 mL	27.0702 mL
5 mM	0.5414 mL	2.707 mL	5.414 mL
10 mM	0.2707 mL	1.3535 mL	2.707 mL
50 mM	0.0541 mL	0.2707 mL	0.5414 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

- Sun W, Cao L, Zhang C, Zhu L, Zhou L. Dihydro-cryptopine. *Acta Crystallogr Sect E Struct Rep Online*. 2012 Jun 1;68 (Pt 6):o1762. doi: 10.1107/S1600536812017588. Epub 2012 May 16. PubMed PMID: 22719545; PubMed Central PMCID: PMC3379347.
- Vrancheva RZ, Ivanov IG, Aneva IY, Dincheva IN, Badjakov IK, Pavlov AI. Alkaloid profiles and acetylcholinesterase inhibitory activities of *Fumaria* species from Bulgaria. *Z Naturforsch C*. 2016;71(1-2):9-14. doi: 10.1515/znc-2014-4179. PubMed PMID: 26756091.
- Zou HL, Li HY, Yu SF, Cheng M, Zhou XD, Zhang Y, Liu BL, Zhou GX. [Alkaloids from *Macleaya cordata* and their cytotoxicity assay]. *Zhongguo Zhong Yao Za Zhi*. 2015 Feb;40(3):458-62. Chinese. PubMed PMID: 26084170.
- Ramanathan VS, Chandra P. Recovery of thebaine and cryptopine from Indian opium. *Bull Narc*. 1980;32(2):49-63. PubMed PMID: 6907026.

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