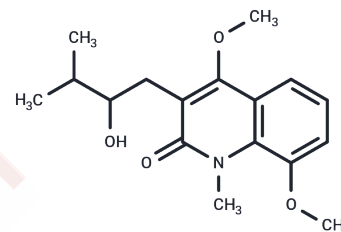


(+/-)-Lunacridine

Chemical Properties

CAS No. :	103303-14-6
Formula:	C ₁₇ H ₂₃ N ₁ O ₄
Molecular Weight:	305.37
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	(+/-)-Lunacridine is a bioactive chemical.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2747 mL	16.3736 mL	32.7472 mL
5 mM	0.6549 mL	3.2747 mL	6.5494 mL
10 mM	0.3275 mL	1.6374 mL	3.2747 mL
50 mM	0.0655 mL	0.3275 mL	0.6549 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

- Prescott TA, Sadler IH, Kiapranis R, Maciver SK. Lunacridine from *Lunasia amara* is a DNA intercalating topoisomerase II inhibitor. *J Ethnopharmacol.* 2007 Jan 19;109(2):289-94. Epub 2006 Aug 1. PubMed PMID: 16963212.
- Ahmad MU, Rahman MA, Huq E, Chowdhury R. Alkaloids of *Zanthoxylum budrunga*. *Fitoterapia.* 2003 Feb;74(1-2):191-3. PubMed PMID: 12628423.
- Bowman RM, Gray GA, Grundon MF. Quinoline alkaloids. XV. Reactions of a quinoline isoprenyl epoxide with hydride reagents. Asymmetric synthesis and stereochemistry of lunacridine and related *Lunasia* alkaloids. *J Chem Soc Perkin 1.* 1973;10:1051-5. PubMed PMID: 4739007.

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