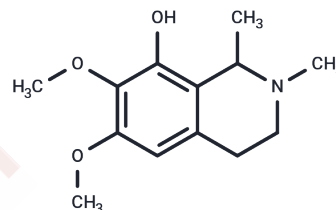


Pellotine

Chemical Properties

CAS No. :	19622-05-0
Formula:	C ₁₃ H ₁₉ NO ₃
Molecular Weight:	237.295
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	Pellotine is an alkaloid isolated from Lophophora. It acts as an inverse agonist of the 5-HT ₇ receptor (5-HT ₇ receptor), with an EC ₅₀ of 291 nM. Pellotine shows strong affinity for the 5-HT _{1DR} and 5-HT _{6R} , with K _i values of 117 nM and 170 nM, respectively. Additionally, Pellotine reduces intracellular cAMP levels, thereby decreasing neuronal excitability and neurotransmitter release.
Targets(IC ₅₀)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2141 mL	21.0704 mL	42.1408 mL
5 mM	0.8428 mL	4.2141 mL	8.4282 mL
10 mM	0.4214 mL	2.107 mL	4.2141 mL
50 mM	0.0843 mL	0.4214 mL	0.8428 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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