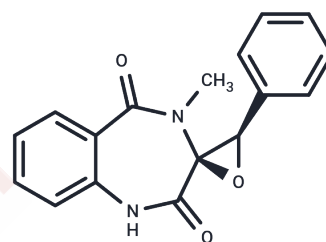


Cyclopenin

Chemical Properties

CAS No. :	20007-87-8
Formula:	C ₁₇ H ₁₄ N ₂ O ₃
Molecular Weight:	294.3
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	Cyclopenin is an inhibitor of acetylcholinesterase (AChE; IC ₅₀ = 2.04 μM for human recombinant AChE).
Targets(IC ₅₀)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3979 mL	16.9895 mL	33.9789 mL
5 mM	0.6796 mL	3.3979 mL	6.7958 mL
10 mM	0.3398 mL	1.6989 mL	3.3979 mL
50 mM	0.068 mL	0.3398 mL	0.6796 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

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- Nover L, Luckner M. On the biosynthesis of cyclophenin and cyclophenol, benzodiazepine alkaloids from *Penicillium cyclopium* Westling. *Eur J Biochem.* 1969 Sep;10(2):268-73. PubMed PMID: 5823102.
- Luckner M. [On the synthesis of quinoline alkaloids in plants. 2. Fermentativ conversion of the penicillin alkaloids cyclophenin and cyclophenol to viridicatin and viridicatol]. *Eur J Biochem.* 1967 Jul;2(1):74-8. German. PubMed PMID: 6079765.

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