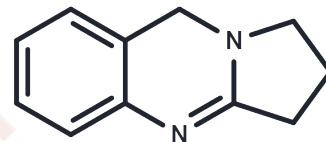


## Desoxypeganine

## Chemical Properties

CAS No. :	495-59-0
Formula:	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub>
Molecular Weight:	172.23
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	Desoxypeganine (Deoxypeganine) is an inhibitor of cholinesterase. It acting preferentially on butyrylcholinesterase, and as a selective inhibitor of monoamine oxidase A but not monoamine oxidase B. Desoxypeganine is being developed for its potential utility in the pharmacological treatment of alcohol abuse to reduce craving and depression in alcohol abusers, and might also be useful as a smoking cessation aid.
Targets(IC50)	Cholinesterase (ChE), Monoamine Oxidase

## Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8062 mL	29.0309 mL	58.0619 mL
5 mM	1.1612 mL	5.8062 mL	11.6124 mL
10 mM	0.5806 mL	2.9031 mL	5.8062 mL
50 mM	0.1161 mL	0.5806 mL	1.1612 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

Herraiz T , H Guillén, VJ Arán, et al. Identification, occurrence and activity of quinazoline alkaloids in Peganum harmala[J]. Food and Chemical Toxicology, 2017, 103:261.

Zayed R , Wink M . beta-carboline and quinoline alkaloids in root cultures and intact plants of Peganum harmala [J]. Zeitschrift Fur Naturforschung C A Journal of Biosciences, 2005, 60(5-6).

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