Product Data Sheet

Product Name: Convolamine
Cat. No.: GC27810

Chemical Properties

Cas. No.	500-56-1		
Formula	$C_{17}H_{23}NO_4$	M.Wt	305.37
Solubility	DMSO : 20 mg/mL (65.49 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure

Background

Convolamine is an alkaloid found in *Convolvulus pluricaulis* and an effective positive modulator of the sigma-1 receptor (IC_{50} = 289 nM), exhibiting cognitive and neuroprotective properties [1][2].

References:

[1]. Gapparov A M, et al. Alkaloids of Convolvulus subhirsutus from Uzbekistan[J]. Chemistry of Natural Compounds, 2007, 43: 291-292.

Caution: Product has not been fully validated for medical applications. For research use only.
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[2]. Crouzier L, et al. Convolamine, a tropane alkaloid extracted from Convolvulus plauricalis, is a potent sigma-1 receptor-positive modulator with cognitive and neuroprotective properties[J]. Phytotherapy Research, 2024, 38(2): 694-712.

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