

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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