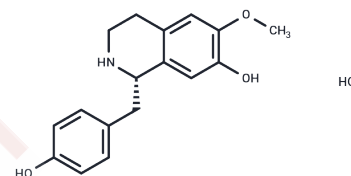


(-)-Coclaurine hydrochloride

Chemical Properties

CAS No. :	3422-42-2
Formula:	C ₁₇ H ₂₀ ClNO ₃
Molecular Weight:	321.8
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	(-)-Coclaurine hydrochloride is an antagonist of nAChRs isolated from <i>Sarcopetalum harveyanum</i> .
Targets(IC50)	AChR

Solubility Information

Solubility	DMSO: 45 mg/mL (139.84 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	3.1075 mL	15.5376 mL	31.0752 mL
5 mM	0.6215 mL	3.1075 mL	6.215 mL
10 mM	0.3108 mL	1.5538 mL	3.1075 mL
50 mM	0.0622 mL	0.3108 mL	0.6215 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

- Matthew J. Cheesman . Oceania: Antidepressant Medicinal Plants. Herbal Medicine in Depression. 2016, 483-527.
Sowemimo BO, et al. The isolation of stepharine and coclaurine from *Sarcopetalum harveyanum*. Lloydia. 1972 Mar;35(1):90-1.

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