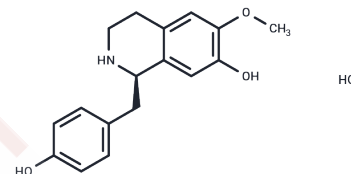


(+)-Coclaurine hydrochloride

Chemical Properties

CAS No. :	19894-19-0
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, also known as (+)-(R)-Coclaurine, is a benzyltetrahydroisoquinoline alkaloid extracted from multiple plant species. This compound exhibits anti-aging properties, as reported in sources [1] [2].
Targets(IC50)	Others,AChR
In vivo	Intracerebroventricular administration of (+)-Coclaurine (d-Coclaurine; 50 µg) hydrochloride results in a modest elevation of 3,4-dihydroxyphenylacetic acid and a pronounced rise in homovanillic acid in the mouse striatum. Notably, (+)-Coclaurine hydrochloride selectively antagonizes postsynaptic dopamine receptors without affecting the presynaptic counterparts in the mouse striatum [2].

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.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481