

Tetrahydropalmatrubine

Chemical Properties

CAS No. : 7762-76-7

Formula: C₂₀H₂₃NO₄

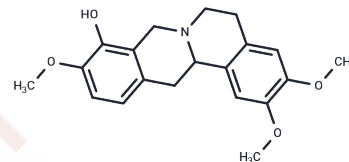
Molecular Weight: 341.4

Keep away from direct sunlight, Keep away from moisture, Store at low temperature, Store under nitrogen

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	Tetrahydropalmatrubine is a natural alkaloid exhibiting inhibitory activity against D1 and D2 receptors (IC ₅₀ =0.41/3.11 μM).
Targets(IC50)	Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9291 mL	14.6456 mL	29.2912 mL
5 mM	0.5858 mL	2.9291 mL	5.8582 mL
10 mM	0.2929 mL	1.4646 mL	2.9291 mL
50 mM	0.0586 mL	0.2929 mL	0.5858 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

Li H L, et al. Tetrahydroprotoberberine alkaloids from *Corydalis saxicola*. *Chemistry of Natural Compounds*, 2007, 43: 173-175.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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