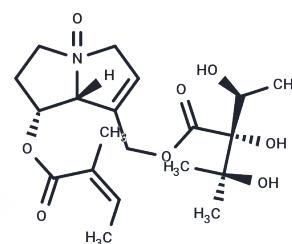


Echimidine N-oxide

Chemical Properties

CAS No. :	41093-89-4
Formula:	C ₂₀ H ₃₁ N ₂ O ₈
Molecular Weight:	413.47
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	Echimidine N-oxide, a pyrrolizidine alkaloid, exhibits significant inhibitory activity against acetylcholinesterase (AChE) with an IC ₅₀ value of 0.347 mM.
Targets(IC ₅₀)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4186 mL	12.0928 mL	24.1856 mL
5 mM	0.4837 mL	2.4186 mL	4.8371 mL
10 mM	0.2419 mL	1.2093 mL	2.4186 mL
50 mM	0.0484 mL	0.2419 mL	0.4837 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

Houari Benamar, et al. Acetylcholinesterase inhibitory activity of pyrrolizidine alkaloids from Echimium confusum Coincy. Nat Prod Res. 2017 Jun;31(11):1277-1285.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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