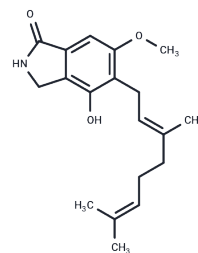


Ndpih

Chemical Properties

CAS No. :	1360168-37-1
Formula:	C ₁₉ H ₂₅ NO ₃
Molecular Weight:	315.41
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	NDPIH, derived from <i>Herichium erinaceus</i> (monkey head mushroom), exhibits significant neurotrophic activity. It enhances extensive axonal growth and synaptic branching in cultured hippocampal neurons under serum-free conditions. Although pharmacological inhibition of actin receptor kinase B (TrkB) partially blocks the activity induced by NDPIH, the compound can independently activate the ERK1/2 signaling pathway, bypassing TrkB.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1705 mL	15.8524 mL	31.7048 mL
5 mM	0.6341 mL	3.1705 mL	6.341 mL
10 mM	0.317 mL	1.5852 mL	3.1705 mL
50 mM	0.0634 mL	0.317 mL	0.6341 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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