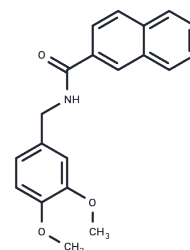


NDH-1 inhibitor-1

Chemical Properties

CAS No. :	173964-49-3
Formula:	C ₂₀ H ₁₉ NO ₃
Molecular Weight:	321.37
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	NDH-1 inhibitor-1 is an effective NDH-1 inhibitor, which can inhibit bovine SMP (mitochondrial granules), potato SMP and Escherichia coli, with pI50 values of <4, 5.40, 6.15 μ M, respectively.
Targets(IC50)	Others, Mitochondrial Metabolism

Solubility Information

Solubility	DMSO: 112.5 mg/mL (350.06 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	3.1117 mL	15.5584 mL	31.1168 mL
5 mM	0.6223 mL	3.1117 mL	6.2234 mL
10 mM	0.3112 mL	1.5558 mL	3.1117 mL
50 mM	0.0622 mL	0.3112 mL	0.6223 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

Satoh T, et al. Comparison of the inhibitory action of synthetic capsaicin analogues with various NADH-ubiquinone oxidoreductases. *Biochim Biophys Acta*. 1996;1273(1):21-30.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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