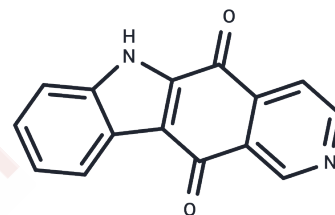


Ellipticine quinone

Chemical Properties

CAS No. : 73326-98-4
 Formula: C₁₅H₈N₂O₂
 Molecular Weight: 248.24
 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	Ellipticine quinone, also known as NSC-383230, is a Drp1 inhibitor. rpit1 and Drp1a inhibited the GTPase activity of Drp1 without inhibiting the GTPase of dynamin 1. Ellipticine quinone showed greater potency than the current std. Drp1 GTPase inhibitor, mdivi-1, (IC ₅₀ for mitochondrial fragmentation are (0.06, and 10 μM, resp.). Ellipticine quinone suppressed lung cancer tumor growth in a mouse xenograft model. Ellipticine quinone also inhibited mitochondrial ROS prodn., prevented mitochondrial fission, and improved right ventricular diastolic dysfunction during IR injury.
Targets(IC ₅₀)	Others,Reactive Oxygen Species,Dynamin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0284 mL	20.1418 mL	40.2836 mL
5 mM	0.8057 mL	4.0284 mL	8.0567 mL
10 mM	0.4028 mL	2.0142 mL	4.0284 mL
50 mM	0.0806 mL	0.4028 mL	0.8057 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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