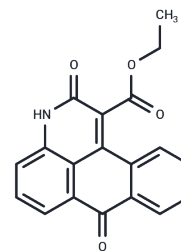


NQDI-1

Chemical Properties

CAS No. : 175026-96-7
 Formula: C₁₉H₁₃N₁O₄
 Molecular Weight: 319.31
 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	NQDI-1 (NQDI 1) is a selective inhibitor of apoptosis signal-regulating kinase 1 (ASK1, MAP3K5) (IC ₅₀ /K _i : 3 μM/500 nM).
Targets(IC ₅₀)	Apoptosis,ASK,MAPK

Solubility Information

Solubility	DMSO: 3.2 mg/mL (10.02 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	3.1318 mL	15.6588 mL	31.3175 mL
5 mM	0.6264 mL	3.1318 mL	6.2635 mL
10 mM	0.3132 mL	1.5659 mL	3.1318 mL
50 mM	0.0626 mL	0.3132 mL	0.6264 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

Hao H, et al. Mol Med Rep. 2016, 13(6):4585-4592.

Da Q, Yan Z, Li Z, et al. TAK1 is involved in sodium L-lactate-stimulated p38 signaling and promotes apoptosis. Molecular and Cellular Biochemistry. 2020: 1-10

Eaton GJ, et al. Cell Death Dis. 2014, 5:e1522.

Da Q, Yan Z, Li Z, et al. TAK1 is involved in sodium L-lactate-stimulated p38 signaling and promotes apoptosis[J]. Molecular and Cellular Biochemistry. 2020: 1-10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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