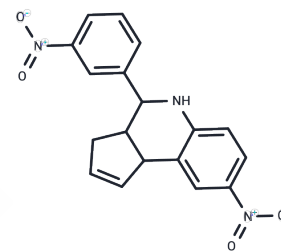


Phox-I2

Chemical Properties

CAS No. :	353495-22-4
Formula:	C ₁₈ H ₁₅ N ₃ O ₄
Molecular Weight:	337.33
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	Phox-I2 is an NOX2-specific inhibitor. Phox-I2 reverts ROS-accumulation and leads to refusion of mitochondrial networks.
Targets(IC50)	Reactive Oxygen Species, NADPH, NADPH-oxidase, ROS

Solubility Information

Solubility	DMSO: 4.8 mg/mL (14.23 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	2.9645 mL	14.8223 mL	29.6446 mL
5 mM	0.5929 mL	2.9645 mL	5.9289 mL
10 mM	0.2964 mL	1.4822 mL	2.9645 mL
50 mM	0.0593 mL	0.2964 mL	0.5929 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

- Hagenbuchner J, et al. Very long-/ and long Chain-3-Hydroxy Acyl CoA Dehydrogenase Deficiency correlates with deregulation of the mitochondrial fusion/fission machinery. *Sci Rep.* 2018 Feb 19;8(1):3254.
- Mortadza SS, Sim JA, Stacey M, Jiang LH. Signalling mechanisms mediating Zn(2+)-induced TRPM2 channel activation and cell death in microglial cells. *Sci Rep.* 2017 Mar 21;7:45032.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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