

## NoxA1ds

## Chemical Properties

CAS No. : 1435893-78-9

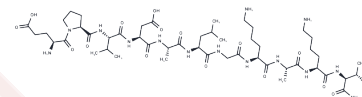
Formula: C50H88N14O15

Molecular Weight: 1125.33

Keep away from moisture

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	Potent and selective NADPH oxidase 1 (NOX1) inhibitor (IC <sub>50</sub> = 20 nM). Exhibits selectivity for NOX1 over NOX2, NOX4, NOX5 and xanthine oxidase. Inhibits NOX1-derived O <sub>2</sub> -production in HT-29 human colon cancer cells. Attenuates VEGF-induced human pulmonary artery endothelial cell migration under hypoxic conditions in vitro. Cell permeable.
Targets(IC <sub>50</sub> )	NADPH

## Solubility Information

Solubility	H <sub>2</sub> O: 2 mg/mL (1.78 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	0.8886 mL	4.4431 mL	8.8863 mL
5 mM	0.1777 mL	0.8886 mL	1.7773 mL
10 mM	0.0889 mL	0.4443 mL	0.8886 mL
50 mM	0.0178 mL	0.0889 mL	0.1777 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

Ranayhossaini et al (2013) Selective recapitulation of conserved and nonconserved regions of putative NOXA1 protein activation domain confers isoform-specific inhibition of Nox1 oxidase and attenuation of endothelial cell migration. J.Biol.Chem. 288 36437 PMID:

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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