

NoxA1ds acetate(1435893-78-9 free base)

Chemical Properties

CAS No. :

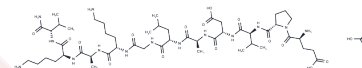
Formula: C52H92N14O17

Molecular Weight: 1185.35

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	NoxA1ds acetate is a potent and selective NADPH oxidase 1 (NOX1) inhibitor (IC ₅₀ : 20 nM). Exhibits selectivity for NOX1 over NOX2, NOX4, NOX5 and xanthine oxidase. Inhibits NOX1-derived O ₂ ⁻ production in HT-29 human colon cancer cells. Attenuates VEGF-induced human pulmonary artery endothelial cell migration under hypoxic conditions in vitro.
Targets(IC ₅₀)	NADPH-oxidase

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8436 mL	4.2182 mL	8.4363 mL
5 mM	0.1687 mL	0.8436 mL	1.6873 mL
10 mM	0.0844 mL	0.4218 mL	0.8436 mL
50 mM	0.0169 mL	0.0844 mL	0.1687 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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