

## NoxA1ds TFA

## Chemical Properties

CAS No. :

Formula: C52H89F3N14O17

Molecular Weight: 1239.35

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 TFA is a potent and selective inhibitor of NADPH oxidase 1 (NOX1) with an inhibition concentration (IC50) of 20 nM, showing selectivity over NOX2, NOX4, NOX5, and xanthine oxidase. It effectively inhibits NOX1-derived O <sub>2</sub> <sup>-</sup> production in HT-29 human colon cancer cells and attenuates VEGF-induced migration of human pulmonary artery endothelial cells under hypoxic conditions in vitro.
Targets(IC50)	NADPH

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8069 mL	4.0344 mL	8.0687 mL
5 mM	0.1614 mL	0.8069 mL	1.6137 mL
10 mM	0.0807 mL	0.4034 mL	0.8069 mL
50 mM	0.0161 mL	0.0807 mL	0.1614 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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