

NOS-IN-2

Chemical Properties

CAS No. :

Formula: C18H20F3N3O2

Molecular Weight: 367.37

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	NOS-IN-2 (Compound 4i), an imidamide-derived NOS inhibitor, exhibits high potency and selectivity, specifically inhibiting iNOS with an IC50 of 20 µM while sparing eNOS. Demonstrating minimal toxicity, it is suitable for research on inflammatory disorders [1].
Targets(IC50)	Others,NO Synthase
In vitro	NOS-IN-2 (Compound 4i) exhibits high iNOS selectivity with no eNOS inhibition activity [1] and demonstrates minimal toxicity (0-100 µM, 30 min) [1]. In a Cell Viability Assay using HUVECs, little toxicity was observed except at concentrations above 100 µM, where cell viability was significantly reduced by approximately 20% [1].
In vivo	NOS-IN-2 (Compound 4i) is anticipated to exhibit oral bioavailability [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7221 mL	13.6103 mL	27.2205 mL
5 mM	0.5444 mL	2.7221 mL	5.4441 mL
10 mM	0.2722 mL	1.361 mL	2.7221 mL
50 mM	0.0544 mL	0.2722 mL	0.5444 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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