Data Sheet (Cat.No.T21700)



CH₃

NOS-IN-1

Chemical Properties

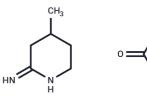
CAS No.: 165383-72-2

Formula: C8H16N2O2

Molecular Weight: 172.22

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	NOS-IN-1 (2-Imino-4-methylpiperidine acetate) is a potent and orally active inhibitor of NO synthase (NOS) isoforms. NOS-IN-1 exhibits IC50s of 0.1 μ M, 0.2 μ M, and 1.1 μ M for human iNOS (hiNOS), hnNOS and heNOS, respectively.
Targets(IC50)	NOS

Solubility Information

(< 1 mg/mt refers to the product stightly soluble of insoluble)	Sc	Solubility	DMSO: 10 mg/mL (58.06 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8065 mL	29.0326 mL	58.0653 mL
5 mM	1.1613 mL	5.8065 mL	11.6131 mL
10 mM	0.5807 mL	2.9033 mL	5.8065 mL
50 mM	0.1161 mL	0.5807 mL	1.1613 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.

Reference

R K Webber, et al. Substituted 2-iminopiperidines as inhibitors of human nitric oxide synthase isoforms. J Med Chem. 1998 Jan 1;41(1):96-101.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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