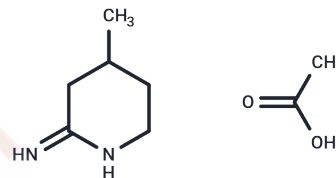


NOS-IN-1

Chemical Properties

CAS No. : 165383-72-2
 Formula: C₈H₁₆N₂O₂
 Molecular Weight: 172.22
 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-1 (2-Imino-4-methylpiperidine acetate) is a potent and orally active inhibitor of NO synthase (NOS) isoforms. NOS-IN-1 exhibits IC ₅₀ s of 0.1 μM, 0.2 μM, and 1.1 μM for human iNOS (hiNOS), hnNOS and heNOS, respectively.
Targets(IC ₅₀)	NOS,NO Synthase

Solubility Information

Solubility	DMSO: 10 mg/mL (58.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

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.

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

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481