

## NOS1-IN-1

## Chemical Properties

CAS No. : 357965-99-2

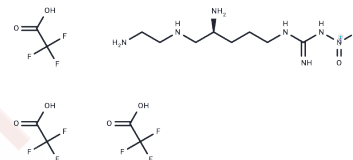
Formula: C<sub>14</sub>H<sub>24</sub>F<sub>9</sub>N<sub>7</sub>O<sub>8</sub>

Molecular Weight: 589.37

Store at low temperature

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	NOS1-IN-1 (nNOS Inhibitor I) is a potent, selective and cell permeable nNOS inhibitor (K <sub>i</sub> : 120 nM). NOS1-IN-1 has a K <sub>i</sub> value of 39 μM for eNOS and 325 μM for iNOS. NOS1-IN-1 can be used for the study of neurological disorders such as cerebral palsy.
Targets (IC <sub>50</sub> )	NOS, NO Synthase

## Solubility Information

Solubility	DMSO: 45 mg/mL (76.35 mM), Sonication is recommended. H <sub>2</sub> O: 5 mg/mL (8.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6967 mL	8.4836 mL	16.9673 mL
5 mM	0.3393 mL	1.6967 mL	3.3935 mL
10 mM	0.1697 mL	0.8484 mL	1.6967 mL
50 mM	0.0339 mL	0.1697 mL	0.3393 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

Haitao Ji, et al. Selective neuronal nitric oxide synthase inhibitors and the prevention of cerebral palsy. *Ann Neurol*. 2009 Feb;65(2):209-17.

J M Hah, et al. Reduced amide bond peptidomimetics. (4S)-N-(4-amino-5-[aminoalkyl]aminopentyl)-N'-nitroguanidines, potent and highly selective inhibitors of neuronal nitric oxide synthase. *J Med Chem*. 2001 Aug 2; 44(16):2667-70.

**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