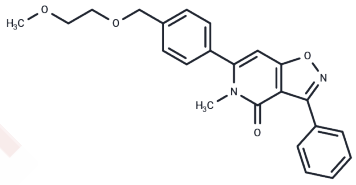
Data Sheet (Cat.No.T27620)

TargetMol

IP7e

Chemical Properties



CAS No. : 500164-74-9

Formula: C23H22N2O4

Molecular Weight: 390.43

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	IP7e (isoxazolo-pyridinone 7e) is a Nurr1 activator with an EC50 value of 3.9 nM.
Targets(IC50)	Others,NR4A
In vivo	IP7e(10 mg/kg) attenuates inflammation and neurodegeneration in spinal cords of EAE mice by an NF-kB pathway-dependent process. IP7e preventive treatment reduces the incidence and the severity of an MS murine model, i.e. experimental autoimmune encephalomyelitis (EAE)[1].

Solubility Information

Solubility	DMSO: 95 mg/mL (243.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5613 mL	12.8064 mL	25.6128 mL
5 mM	0.5123 mL	2.5613 mL	5.1226 mL
10 mM	0.2561 mL	1.2806 mL	2.5613 mL
50 mM	0.0512 mL	0.2561 mL	0.5123 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

Montarolo F, et al. Effects of isoxazolo-pyridinone 7e, a potent activator of the Nurr1 signaling pathway, on experimental autoimmune encephalomyelitis in mice. PLoS One. 2014 Sep 29;9(9):e108791.
Hintermann S, et al. Identification of a series of highly potent activators of the Nurr1 signaling pathway. Bioorg Med Chem Lett. 2007 Jan 1;17(1):193-6. Epub 2006 Oct 10.

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