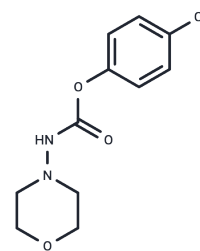


Hi 76-0079

Chemical Properties

CAS No. : 374567-94-9
 Formula: C₁₁H₁₃ClN₂O₃
 Molecular Weight: 256.69
 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	Hi 76-0079 (NNC0076-0079) is a hormone-sensitive lipase (HSL) inhibitor with an IC ₅₀ of 184 nM. Hi 76-0079 is a potential compound for the study and prevention of obesity and diabetes.
Targets(IC ₅₀)	Lipid, Lipase

Solubility Information

Solubility	DMSO: 45 mg/mL (175.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (19.48 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8957 mL	19.4787 mL	38.9575 mL
5 mM	0.7791 mL	3.8957 mL	7.7915 mL
10 mM	0.3896 mL	1.9479 mL	3.8957 mL
50 mM	0.0779 mL	0.3896 mL	0.7791 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

de Jong JC, et al. Carbazates as potent inhibitors of hormone-sensitive lipase. Bioorg Med Chem Lett. 2004 Apr 5;14(7):1741-4.

Schweiger M, et al. Adipose triglyceride lipase and hormone-sensitive lipase are the major enzymes in adipose tissue triacylglycerol catabolism. J Biol Chem. 2006 Dec 29;281(52):40236-41.

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