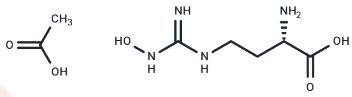
Data Sheet (Cat.No.T39766)

TargetMol

Nor-NOHA monoacetate

Chemical Properties



CAS No. : 2250019-93-1

Formula: C7H16N4O5

Molecular Weight: 236.23

Storage: Store at low temperature
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	nor-NOHA monoacetate (Nω-Hydroxy-nor-L-arginine) is a highly potent and selective arginase inhibitor. nor-NOHA monoacetate inhibits rat hepatic arginase and inhibits the hydrolysis of L-arginine, which can be used to study cardiovascular and obstructive airway diseases.
Targets(IC50)	Arginase

Solubility Information

Solubility	DMSO: 50 mg/mL (211.66 mM),Sonication is recommended. H2O: 40 mg/mL (169.33 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: 2 mg/mL (8.47 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2332 mL	21.1658 mL	42.3316 mL
5 mM	0.8466 mL	4.2332 mL	8.4663 mL
10 mM	0.4233 mL	2.1166 mL	4.2332 mL
50 mM	0.0847 mL	0.4233 mL	0.8466 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

Custot J, et al. A new α-amino acid N w -hydroxy-nor-L-arginine: A highly-affinity inhibitor of arginase well adapted to bind to its manganese cluster.Journal of the American Chemical Society 119, 4086-4087(1997).
Tenu JP, et al. Effects of the new arginase inhibitor N(omega)-hydroxy-nor-L-arginine on NO synthase activity in murine macrophages. Nitric Oxide. 1999;3(6):427-438.