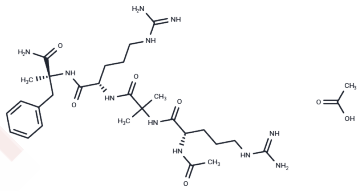
Data Sheet (Cat.No.TP2338L)

TargetMol

Cenupatide acetate

Chemical Properties



CAS No. :

Formula: C30H51N11O7

Molecular Weight: 677.8

Storage: Keep away from moisture
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	Cenupatide acetate is an urokinase plasminogen activator receptor (uPAR) inhibitor for treating disorders associated altered cell migration, such as cancer.
Targets(IC50)	Others
In vivo	Cenupatide inhibits uPAR binding to the formyl peptide receptors (FPRs) can improve kidney lesions in a rat model of streptozotocin (STZ)-induced diabetes [1].

Solubility Information

Solubility	H2O: 10 mg/mL (14.75 mM),Sonication is recommended. DMSO: 5 mg/mL (7.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4754 mL	7.3768 mL	14.7536 mL
5 mM	0.2951 mL	1.4754 mL	2.9507 mL
10 mM	0.1475 mL	0.7377 mL	1.4754 mL
50 mM	0.0295 mL	0.1475 mL	0.2951 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

Massimo Dal Monte, et al. Inhibiting the urokinase-type plasminogen activator receptor system recovers STZ-induced diabetic nephropathy. J Cell Mol Med. 2019 Feb;23(2):1034-1049.

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