Data Sheet (Cat.No.T78219)

TargetMol

Obtustatin triacetate

Chemical Properties

CAS No. :

Formula: C184H284N52O57S8.3C2H4O2

Molecular Weight: 4573.21

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	Obtustatin triacetate, a desintegrin derived from the venom of Vipera lebetina obtusa, is a selective α1β1 integrin and in vivo angiogenesis inhibitor that inhibits angiogenesis, and can be used to study cell adhesion and cardiovascular disease.
Targets(IC50)	Integrin

Solubility Information

Solubility	DMSO: 80 mg/mL (17.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2187 mL	1.0933 mL	2.1866 mL
5 mM	0.0437 mL	0.2187 mL	0.4373 mL
10 mM	0.0219 mL	0.1093 mL	0.2187 mL
50 mM	0.0044 mL	0.0219 mL	0.0437 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

Paz Moreno-Murciano M, et al. NMR solution structure of the non-RGD disintegrin obtustatin. J Mol Biol. 2003 May 23;329(1):135-45.

Marcinkiewicz C, et al. Obtustatin: a potent selective inhibitor of alpha1beta1 integrin in vitro and angiogenesis in vivo. Cancer Res. 2003 May 1;63(9):2020-3.

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