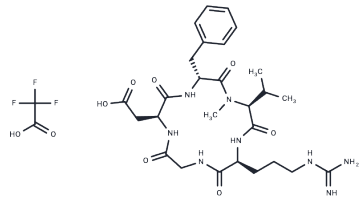
Data Sheet (Cat.No.T6806)

TargetMol
YOUR TARGET MOLECULES

Cilengitide TFA

Chemical Properties



CAS No. : 199807-35-7

Formula: C29H41F3N8O9

Molecular Weight: 702.68

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Cilengitide is a potent integrin inhibitor for αvβ3 receptor and αvβ5 receptor with IC50 of 4.1 nM and 79 nM in cell-free assays, respectively; ~10-fold selectivity against gpIIbIIIa. Phase 2.
Targets(IC50)	Integrin,Autophagy
In vitro	6-Thio-dG induces telomere dysfunction and results in progressive telomere shortening in telomerase-positive human cancer cells and hTERT-expressing human fibroblasts. In tested cancer cells, 6-thio-dG inhibits cell viability with IC50 values between 0.7 and 2.9 μM. [1]

Solubility Information

Solubility	DMSO: 93 mg/mL (132.4 mM), Ethanol: <1 mg/mL, H2O: 8 mg/mL (11.38 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4231 mL	7.1156 mL	14.2312 mL
5 mM	0.2846 mL	1.4231 mL	2.8462 mL
10 mM	0.1423 mL	0.7116 mL	1.4231 mL
50 mM	0.0285 mL	0.1423 mL	0.2846 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.

Reference

Nisato RE, et al. Angiogenesis, 2003, 6(2), 105-119.

Oliveira-Ferrer L, et al. J Exp Clin Cancer Res, 2008, 27:86.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481