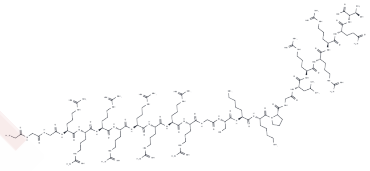
Data Sheet (Cat.No.TP2128)

TargetMol

R8-T198wt

Chemical Properties



CAS No. : 2305815-72-7

Formula: C111H211N59O26S

Molecular Weight: 2820.33

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	Cell-permeable peptide inhibitor of Pim-1 kinase, derived from p27Kip1. Inhibits Pim-1 phosphorylation of p27Kip1 and Bad; induces cell cycle arrest (at G1) and apoptosis in DU145 prostate cancer cells. Also inhibits Pim-1-dependent growth of DU145 cells in vitro and in vivo. Displays no effect on the growth of normal prostate epithelial RPWE-1 cells at concentrations of 10 and 20 μM.
Targets(IC50)	Pim

Solubility Information

Solubility	20% acetonitrile / water: 2 mg/mL (0.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3546 mL	1.7728 mL	3.5457 mL
5 mM	0.0709 mL	0.3546 mL	0.7091 mL
10 mM	0.0355 mL	0.1773 mL	0.3546 mL
50 mM	0.0071 mL	0.0355 mL	0.0709 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

Morishita et al (2011) Cell-permeable carboxyl-terminal p27Kip1 peptide exhibits anti-tumor activity by inhibiting Pim-1 kinase. J.Biol.Chem. 286 2681 PMID:

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