Data Sheet (Cat.No.TP2129)

TargetMol

RI-STAD 2

Chemical Properties

CAS No. :

Formula: C109H181N25O35

Molecular Weight: 2401.75

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	AKAP disruptor. Selectively binds PKA-RI with high affinity (KD values are 6.2 and 12.1 nM for the RIα and β subunits, respectively) and blocks its interaction with AKAP. Inhibits type I PKA-mediated phosphorylation in live cells. Cell permeable.

Solubility Information

Solubility	50% acetonitrile / water: 1 mg/mL (0.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4164 mL	2.0818 mL	4.1636 mL
5 mM	0.0833 mL	0.4164 mL	0.8327 mL
10 mM	0.0416 mL	0.2082 mL	0.4164 mL
50 mM	0.0083 mL	0.0416 mL	0.0833 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

Wang et al (2015) PKA-type I selective constrained peptide disruptors of AKAP complexes. ACS Chem.Biol. 10 1502
PMID:

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