Data Sheet (Cat.No.T28441)



PPI-1019

Chemical Propert	ies
CAS No. :	290828-45-4
Formula:	C36H54N6O5
Molecular Weight:	650.85 (Solution of the second
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	PPI-1019 is an APP (β-amyloid A4) inhibitor for the treatment of neurological disorders and the study of Alzheimer's disease (AD).
Targets(IC50)	Beta Amyloid
In vitro	The MTT data for the PPI-1019 using SHY5Y cells after a 24 h aggregation of 10 μ M A β -(1-42) with IC50 was 10 μ M. The N-methylated peptides PPI-1019 show a reduction in cell toxicity at concentrations similar to that used in the thioflavin T assays (IC50=1.6 μ M).[1]

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

Preparing Stock Solutions

	1mg	5mg	10mg	
1 mM	1.5365 mL	7.6823 mL	15.3645 mL	
5 mM	0.3073 mL	1.5365 mL	3.0729 mL	
10 mM	0.1536 mL	0.7682 mL	1.5365 mL	
50 mM	0.0307 mL	0.1536 mL	0.3073 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

Amijee H, et al. Inhibitors of protein aggregation and toxicity. Biochem Soc Trans. 2009;37(Pt 4):692-696. Kokkoni N, et al. N-Methylated peptide inhibitors of beta-amyloid aggregation and toxicity. Optimization of the

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