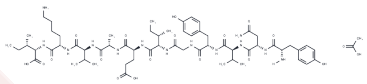
Data Sheet (Cat.No.TP1942L1)

TargetMol

pep2-AVKI acetate(1315378-69-8 free base)

Chemical Properties



CAS No. :

Formula: C62H97N13O19

Molecular Weight: 1328.51

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	pep2-AVKI acetate(1315378-69-8 free base) An inhibitor peptide that selectively disrupts binding of the AMPA receptor subunit GluA2 (at the C-terminal PDZ site) to proteins that interact with C-kinase (PICK1). Does not affect GluA2 binding to GRIP or ABP, nor does it increase AMPA current amplitude or affect long-term depression (LTD).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7527 mL	3.7636 mL	7.5272 mL
5 mM	0.1505 mL	0.7527 mL	1.5054 mL
10 mM	0.0753 mL	0.3764 mL	0.7527 mL
50 mM	0.0151 mL	0.0753 mL	0.1505 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

Daw et al (2000) PDZ proteins interacting with C-terminal GluR2/3 are involved in a PKC-dependent regulation of AMPA receptors at hippocampal synapses. Neuron 28 873 PMID: 11163273

Hanley et al (2002) NSF ATPase and α-/β-SNAPs disassemble the AMPA receptor-PICK1 complex. Neuron 34 53 PMID: 11931741

Kim et al (2001) Interaction of the AMPA receptor subunit GluR2/3 with PDZ domains regulates hippocampal long-term depression. Proc.Natl.Acad.Sci.U.S.A. 98 11725 PMID: 11573007

Li et al (1999) AMPA receptor-PDZ interactions in facilitation of spinal sensory synapses. Nat.Neurosci. 2 972 PMID: 10526335

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481