Data Sheet (Cat.No.TP1942)

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pep2-AVKI

Chemical Properties

CAS No. : 1315378-69-8

Formula: C60H93N13O17

Molecular Weight: 1268.47

Appearance: no data available

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

Biological Description

Description	pep2-AVKI is an inhibitor peptide that selectively disrupts binding of the AMPA receptor subunit GluA2 (at the C-terminal PDZ site) to protein interacting with C kinase (PICK1). Does not affect binding of GluA2 to GRIP or ABP and does not increase AMPA current amplitude or affect long term depression (LTD).

Solubility Information

Solubility	H2O: 2 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7884 mL	3.9418 mL	7.8835 mL
5 mM	0.1577 mL	0.7884 mL	1.5767 mL
10 mM	0.0788 mL	0.3942 mL	0.7884 mL
50 mM	0.0158 mL	0.0788 mL	0.1577 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

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

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