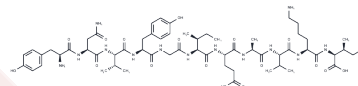


pep2-AVKI

Chemical Properties

CAS No. : 1315378-69-8
 Formula: C60H93N13O17
 Molecular Weight: 1268.47
 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 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).
Targets(IC50)	iGluR

Solubility Information

Solubility H2O: 2 mg/mL (1.58 mM), Sonication is recommended.
 (< 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.

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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