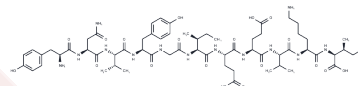


pep2-EVKI

Chemical Properties

CAS No. : 1315378-67-6
 Formula: C62H95N13O19
 Molecular Weight: 1326.51
 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-EVKI 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)	PKC

Solubility Information

Solubility	PBS (pH6.8): 1 mg/mL (0.75 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7539 mL	3.7693 mL	7.5386 mL
5 mM	0.1508 mL	0.7539 mL	1.5077 mL
10 mM	0.0754 mL	0.3769 mL	0.7539 mL
50 mM	0.0151 mL	0.0754 mL	0.1508 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

Collingridge and Isaac (2003) Functional roles of protein interactions with AMPA and kainate receptors. *Neurosci. Res.* 47 3 PMID: 12941441

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) Interaction of the AMPA receptor subunit GluR2/3 with PDZ domains regulates hippocampal long-term depression. *Neuron* 34 53 PMID: 11931741

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

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