

Acein

Chemical Properties

CAS No. :

Formula: C43H68N10O13

Molecular Weight: 932.5

Keep away from moisture

Storage: 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	Acein is a High affinity angiotensin-converting enzyme (ACE) ligand (Kd = 2.79 nM). Exhibits no significant effect on ACE enzymatic activity up to 500 nM concentration. Potentiates NMDA + D-serine-induced dopamine release from striatal slices in vitro and the striatum in vivo.
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Solubility Information

Solubility	H2O: 2 mg/mL (2.14 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	1.0724 mL	5.3619 mL	10.7239 mL
5 mM	0.2145 mL	1.0724 mL	2.1448 mL
10 mM	0.1072 mL	0.5362 mL	1.0724 mL
50 mM	0.0214 mL	0.1072 mL	0.2145 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

Neasta et al (2016) The novel nonapeptide acein targets angiotensin converting enzyme in the brain and induces DA release. Br.J.Pharmacol. 173 1314 PMID:

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