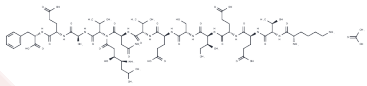
Data Sheet (Cat.No.T3161L)

TargetMol

BACE-IN-1 acetate

Chemical Properties



CAS No. :

Formula: C75H122N16O29

Molecular Weight: 1711.86

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	BACE-IN-1 acetate (BACE-IN-1 acetate (350228-37-4,Free base)) has been used as β-site amyloid precursor protein (APP) cleaving enzyme-1 (BACE1) inhibitor in BACE1 inhibitor assay. β-Site amyloid precursor protein (APP) cleaving enzyme-1 (BACE1), an aspartic protease belongs to the protease family of enzymes comprises of six luminal cysteine residues. These residues help in the formation of three intermolecular disulfide bonds and N-linked glycosylation sites.
Targets(IC50)	BACE

Solubility Information

Solubility	DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5842 mL	2.9208 mL	5.8416 mL
5 mM	0.1168 mL	0.5842 mL	1.1683 mL
10 mM	0.0584 mL	0.2921 mL	0.5842 mL
50 mM	0.0117 mL	0.0584 mL	0.1168 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

Yan R. Physiological Functions of the β-Site Amyloid Precursor Protein Cleaving Enzyme 1 and 2. Front Mol Neurosci. 2017 Apr 19;10:97. doi: 10.3389/fnmol.2017.00097. PMID: 28469554; PMCID: PMC5395628.

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