

CCKBR agonist-1

Chemical Properties

CAS No. :	2923120-30-1
Formula:	C32H39BrN6O7
Molecular Weight:	699.6
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	CCKBRagonist-1 (Compound 3r1) is a selective agonist for the cholecystokinin B receptor (CCKBR) that preferentially activates the Gq protein, with an EC50 of 35 pM. It significantly enhances neuronal survival at an EC50 of 37 pM. CCKBRagonist-1 improves cognitive decline in mice by upregulating α -secretase (ADAM10) and the calcium signaling molecule PLCB4, reduces the number of amyloid β (A β) plaques, and promotes long-term potentiation (LTP). This compound is useful for Alzheimer's disease research.
Targets(IC50)	MMP,Cholecystokinin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4294 mL	7.1469 mL	14.2939 mL
5 mM	0.2859 mL	1.4294 mL	2.8588 mL
10 mM	0.1429 mL	0.7147 mL	1.4294 mL
50 mM	0.0286 mL	0.1429 mL	0.2859 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.

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