

BChE-IN-20

Chemical Properties

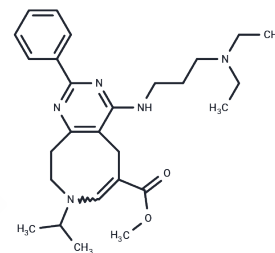
CAS No. : 1428439-79-5

Formula: C₂₇H₃₉N₅O₂

Molecular Weight: 465.63

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	BChE-IN-20 (compound 7c) is a potent and selective inhibitor of BChE, with IC ₅₀ values of 105 nM for eqBChE and 2.3 nM for hBChE. It also inhibits P glycoprotein with an IC ₅₀ of 0.27 μM. BChE-IN-20 serves as a promising template for the design and development of pharmaceutical BChE-selective ligands, including inhibitors and fluorogenic probes.
Targets(IC ₅₀)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1476 mL	10.7381 mL	21.4763 mL
5 mM	0.4295 mL	2.1476 mL	4.2953 mL
10 mM	0.2148 mL	1.0738 mL	2.1476 mL
50 mM	0.043 mL	0.2148 mL	0.4295 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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