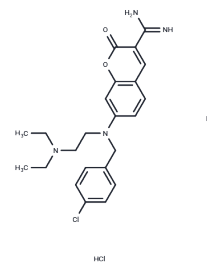


ASIC1a antagonist-1

Chemical Properties

CAS No. :	1787243-08-6
Formula:	C23H29Cl3N4O2
Molecular Weight:	499.86
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	ASIC1a antagonist-1 (Compound 5b) is an orthosteric non-competitive antagonist of the acid-sensing ion channel 1a (ASIC1a) with an IC50 of 27 nM at pH 6.7. It alters the pH dependency of ASIC1a activation and suppresses its maximum response. Additionally, ASIC1a antagonist-1 completely inhibits the induction of long-term potentiation (LTP) in the CA3-CA1 pathway. This compound is useful for research into brain diseases and pathologies.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0006 mL	10.0028 mL	20.0056 mL
5 mM	0.4001 mL	2.0006 mL	4.0011 mL
10 mM	0.2001 mL	1.0003 mL	2.0006 mL
50 mM	0.040 mL	0.2001 mL	0.4001 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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