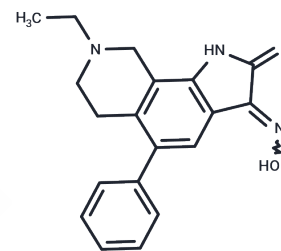


NS 383

Chemical Properties

CAS No. : 309711-59-9
 Formula: C₁₉H₁₉N₃O₂
 Molecular Weight: 321.37
 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	ASIC blocker (IC ₅₀ values are 0.44, 2.1 μM and no effect at rat ASIC1a, ASIC3 and ASIC2a, respectively; IC ₅₀ value = 0.12 μM at human ASIC1a with no effect at ASIC2a or ASIC3). Inhibition was also observed at heteromeric ASIC channels (IC ₅₀ values are 0.79, 0.87 and 4.5 μM at rat ASIC1a+3, ASIC1a+2a and ASIC2a+3; IC ₅₀ values are 0.33 and 0.69 μM at human ASIC1a+2a and ASIC1a+3, with no effect at ASIC2a+3). Attenuates pathophysiological nociceptive behaviors in CFA-inflamed and CCI rats.
Targets(IC ₅₀)	Others,Sodium Channel

Solubility Information

Solubility	DMSO: 1.61 mg/mL (5.01 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	3.1117 mL	15.5584 mL	31.1168 mL
5 mM	0.6223 mL	3.1117 mL	6.2234 mL
10 mM	0.3112 mL	1.5558 mL	3.1117 mL
50 mM	0.0622 mL	0.3112 mL	0.6223 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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