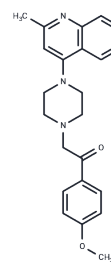


ASIC-IN-1

Chemical Properties

CAS No. :	308088-10-0
Formula:	C ₂₃ H ₂₅ N ₃ O ₂
Molecular Weight:	375.46
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-IN-1 is a potent inhibitor of acid-sensing ion channels, demonstrating an IC ₅₀ value of less than 10 μM, and it effectively reduces pain intensity in a dose-dependent manner [1].
Targets(IC ₅₀)	Others,Sodium Channel
In vivo	ASIC-IN-1 (compound A) (50 mg/kg; i.p.) effectively reduces pain in a dose-dependent manner, as evidenced by decreased flinching in male Sprague-Dawley rats (150-180 g) following an intraplantar formalin injection-induced pain, significantly inhibiting the acute tonic pain triggered by formalin application to the paw [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6634 mL	13.317 mL	26.634 mL
5 mM	0.5327 mL	2.6634 mL	5.3268 mL
10 mM	0.2663 mL	1.3317 mL	2.6634 mL
50 mM	0.0533 mL	0.2663 mL	0.5327 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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