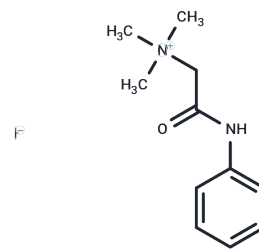


CAY10568

Chemical Properties

CAS No. : 22913-17-3
 Formula: C₁₁H₁₇N₂O
 Molecular Weight: 320.174
 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	Most local anesthetics act by abolishing voltage gated sodium channel currents indiscriminately in all populations of neurons. Selective analgesia through TRPV1-mediated entry of a cationic lidocaine derivative, QX314, was recently reported. CAY10568 is a physically smaller, less hydrophobic version of QX314 designed to be even more permeable to TRPV1 ion channel when activated by agonists such as capsaicin and N-oleoyl dopamine. CAY10568 when given in combination with suitable TRPV1 agonists should produce selective blockade of the pain response while leaving motor, touch, and proprioception intact.
Targets(IC50)	Others,Sodium Channel

Solubility Information

Solubility	PBS (pH 7.2): 0.5 mg/mL (1.56 mM),Sonication is recommended. DMF: 5 mg/mL (15.62 mM),Sonication is recommended. DMSO: 3 mg/mL (9.37 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	3.1233 mL	15.6167 mL	31.2334 mL
5 mM	0.6247 mL	3.1233 mL	6.2467 mL
10 mM	0.3123 mL	1.5617 mL	3.1233 mL
50 mM	0.0625 mL	0.3123 mL	0.6247 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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