

CAY10448

Chemical Properties

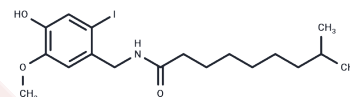
CAS No. : 1177195-52-6

Formula: C₁₈H₂₈INO₃

Molecular Weight: 433.32

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	Capsaicin is the primary active component of the heat and pain-eliciting lipid soluble fraction of the Capsicum pepper. Capsaicin signals are transduced by a heat-activated ion channel, the vanilloid receptor 1 (VR1), or transient receptor potential vanilloid 1 (TRPV1). CAY10448 is an iodinated nonivamide, a potent capsaicin receptor antagonist with an IC ₅₀ value of approximately 10 nM.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	Ethanol: 30 mg/mL (69.23 mM),Sonication is recommended. Ethanol:PBS (pH 7.2)(1:2): 0.25 mg/mL (0.58 mM),Sonication is recommended. DMF: 30 mg/mL (69.23 mM),Sonication is recommended. DMSO: 30 mg/mL (69.23 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	2.3078 mL	11.5388 mL	23.0776 mL
5 mM	0.4616 mL	2.3078 mL	4.6155 mL
10 mM	0.2308 mL	1.1539 mL	2.3078 mL
50 mM	0.0462 mL	0.2308 mL	0.4616 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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