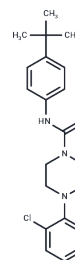


BCTC

Chemical Properties

CAS No. : 393514-24-4
 Formula: C₂₀H₂₅ClN₄O
 Molecular Weight: 372.89
 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 | BCTC is a potent TRPV1 antagonist that inhibits capsaicin-induced and acid-induced activation of rat TRPV1 (IC ₅₀ of 35 and 6 nM, respectively) |
| Targets(IC ₅₀) | CGRP Receptor, IGF-1R, TRP/TRPV Channel |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (134.09 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.6818 mL | 13.4088 mL | 26.8176 mL |
| 5 mM | 0.5364 mL | 2.6818 mL | 5.3635 mL |
| 10 mM | 0.2682 mL | 1.3409 mL | 2.6818 mL |
| 50 mM | 0.0536 mL | 0.2682 mL | 0.5364 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.

Reference

- Gavva, N. R . Proton activation does not alter antagonist interaction with the capsaicin-binding pocket of TRPV1[J]. Molecular Pharmacology, 2005, 68(6):1524---1533.
 Liu T , Fang Z , Wang G , et al. Anti-tumor activity of the TRPM8 inhibitor BCTC in prostate cancer DU145 cells[J]. Oncology Letters, 2015.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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