

CALP3 TFA(261969-05-5 free base)

Chemical Properties

CAS No. :

Formula: C₄₆H₆₉F₃N₁₀O₁₁

Molecular Weight: 995.1

Keep away from moisture

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 | CALP3 TFA is a potent Ca ²⁺ channel blocker that activates EF-hand motifs of Ca ²⁺ -binding proteins. It can functionally mimic increased [Ca ²⁺] _i by modulating the activity of Calmodulin, Ca ²⁺ channels, and pumps. |
| Targets(IC50) | Calcium Channel |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.0049 mL | 5.0246 mL | 10.0492 mL |
| 5 mM | 0.201 mL | 1.0049 mL | 2.0098 mL |
| 10 mM | 0.1005 mL | 0.5025 mL | 1.0049 mL |
| 50 mM | 0.0201 mL | 0.1005 mL | 0.201 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

Manion MK, et al. A new type of Ca(2+) channel blocker that targets Ca(2+) sensors and prevents Ca(2+)-mediated apoptosis. FASEB J. 2000 Jul;14(10):1297-306.

Ferdek PE, et al. BH3 mimetic-elicited Ca²⁺ signals in pancreatic acinar cells are dependent on Bax and can be reduced by Ca

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481