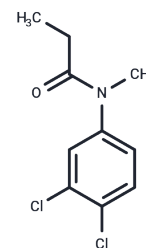


ELP-004

Chemical Properties

CAS No. : 15533-81-0
 Formula: C₁₀H₁₁Cl₂NO
 Molecular Weight: 232.106
 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 | ELP-004 is a TRPC channel inhibitor that blocks Ca ²⁺ entry mediated by TRPC channels. It serves as an osteoclast inhibitor by preventing osteoclast differentiation. ELP-004 also hinders basal Ca ²⁺ levels and the associated translocation of NFATc1 in inflammatory osteoclastogenesis. Additionally, it reduces bone erosion in mouse models of rheumatoid arthritis. |
| Targets(IC50) | TRP/TRPV Channel |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 4.3083 mL | 21.5415 mL | 43.083 mL |
| 5 mM | 0.8617 mL | 4.3083 mL | 8.6166 mL |
| 10 mM | 0.4308 mL | 2.1542 mL | 4.3083 mL |
| 50 mM | 0.0862 mL | 0.4308 mL | 0.8617 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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