

HZ52

Chemical Properties

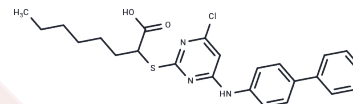
CAS No. : 1077626-51-7

Formula: C₂₄H₂₆ClN₃O₂S

Molecular Weight: 456

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 | HZ52 is a potent, reversible 5-lipoxygenase (5-LO) inhibitor that blocks leukotriene (LTs) synthesis with an IC ₅₀ of 0.7 μM in intact human polymorphonuclear leukocytes [1]. |
| Targets(IC50) | Others,Lipoxygenase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.193 mL | 10.9649 mL | 21.9298 mL |
| 5 mM | 0.4386 mL | 2.193 mL | 4.386 mL |
| 10 mM | 0.2193 mL | 1.0965 mL | 2.193 mL |
| 50 mM | 0.0439 mL | 0.2193 mL | 0.4386 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

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