

## 5-Lipoxygenase-IN-3

## Chemical Properties

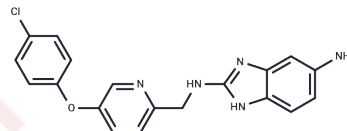
CAS No. : 1875061-47-4

Formula: C<sub>19</sub>H<sub>16</sub>ClN<sub>5</sub>O

Molecular Weight: 365.82

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                | 5-Lipoxygenase-IN-3 (Compound 14), with an IC <sub>50</sub> of less than 1 μM, serves as an inhibitor of 5-Lipoxygenase. This compound is utilized in the research of inflammatory diseases, cancer, stroke, and Alzheimer's disease [1]. |
| Targets(IC <sub>50</sub> ) | Others,Lipoxygenase   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.7336 mL | 13.6679 mL | 27.3358 mL |
| 5 mM  | 0.5467 mL | 2.7336 mL  | 5.4672 mL  |
| 10 mM | 0.2734 mL | 1.3668 mL  | 2.7336 mL  |
| 50 mM | 0.0547 mL | 0.2734 mL  | 0.5467 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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