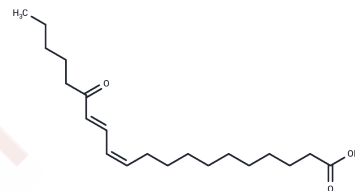


## 15-OxoEDE

## Chemical Properties

|                   |                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 105835-44-7                                                                                                         |
| Formula:          | C <sub>20</sub> H <sub>34</sub> O <sub>3</sub>                                                                      |
| Molecular Weight: | 322.5                                                                                                               |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | 15-OxoEDE, generated through the oxidation of 15-HEDE, effectively inhibits 5-LO in RBL-1 cells with an IC <sub>50</sub> of 55 µM, approximately half as potent as 15(S)-HEDE. Additionally, another related oxo-eicosanoid, 5-oxoETE, is produced from 5(S)-HETE via a specific dehydrogenase, exhibiting significant inflammatory activity. |
| Targets(IC <sub>50</sub> ) | Others                                                                                                                                                                                                                                                                                                                                        |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.1008 mL | 15.5039 mL | 31.0078 mL |
| 5 mM  | 0.6202 mL | 3.1008 mL  | 6.2016 mL  |
| 10 mM | 0.3101 mL | 1.5504 mL  | 3.1008 mL  |
| 50 mM | 0.062 mL  | 0.3101 mL  | 0.6202 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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