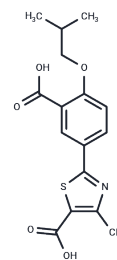


## Febuxostat dicarboxylic acid impurity

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 1239233-87-4  |
| Formula:          | C <sub>16</sub> H <sub>17</sub> N <sub>2</sub> O <sub>5</sub> S   |
| Molecular Weight: | 335.38  |
| 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   | Febuxostat dicarboxylic acid impurity is a byproduct of Febuxostat, a selective xanthine oxidase inhibitor with a $K_i$ of 0.6 nM [1]. |
| Targets(IC50) | Others, Drug Metabolite  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.9817 mL | 14.9085 mL | 29.8169 mL |
| 5 mM  | 0.5963 mL | 2.9817 mL  | 5.9634 mL  |
| 10 mM | 0.2982 mL | 1.4908 mL  | 2.9817 mL  |
| 50 mM | 0.0596 mL | 0.2982 mL  | 0.5963 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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