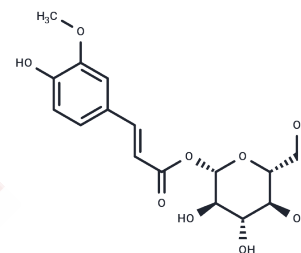


Ferulic acid acyl- $\beta$ -D-glucoside

## Chemical Properties

|                   |                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 7196-71-6                                                                                                           |
| Formula:          | C <sub>16</sub> H <sub>20</sub> O <sub>9</sub>                                                                      |
| Molecular Weight: | 356.327                                                                                                             |
| 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                | Ferulic acid acyl- $\beta$ -D-glucoside, a metabolite of Ferulic Acid, is a novel inhibitor of fibroblast growth factor receptor 1 (FGFR1). It exhibits IC <sub>50</sub> values of 3.78 $\mu$ M and 12.5 $\mu$ M for FGFR1 and FGFR2, respectively. |
| Targets(IC <sub>50</sub> ) | Others, Drug Metabolite                                                                                                                                                                                                                             |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.8064 mL | 14.0319 mL | 28.0639 mL |
| 5 mM  | 0.5613 mL | 2.8064 mL  | 5.6128 mL  |
| 10 mM | 0.2806 mL | 1.4032 mL  | 2.8064 mL  |
| 50 mM | 0.0561 mL | 0.2806 mL  | 0.5613 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.

## Reference

Zhang JL, et al. Metabolism of ferulic acid in rats. J Asian Nat Prod Res. 2005;7(1):49-58.

Yang GW, et al. Ferulic Acid Exerts Anti-Angiogenic and Anti-Tumor Activity by Targeting Fibroblast Growth Factor Receptor 1-Mediated Angiogenesis. Int J Mol Sci. 2015 Oct 12;16(10):24011-31.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481