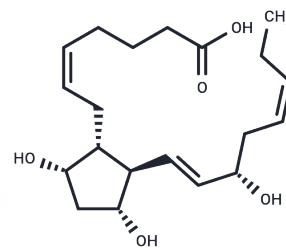


Prostaglandin F3 $\alpha$ 

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 745-64-2  |
| Formula:          | C <sub>20</sub> H <sub>32</sub> O <sub>5</sub>  |
| Molecular Weight: | 352.47  |
| 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   | Prostaglandin F3 $\alpha$ (PGF3 $\alpha$ ) is a bioactive lipid mediator derived from eicosapentaenoic acid (EPA) with anticancer and anti-inflammatory properties. It serves as a substrate for ABCC4 with a Km of 12.1 $\mu$ M. Additionally, Prostaglandin F3 $\alpha$ (PGF3 $\alpha$ ) is utilized in diabetes research. |
| Targets(IC50) | P-gp   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.8371 mL | 14.1856 mL | 28.3712 mL |
| 5 mM  | 0.5674 mL | 2.8371 mL  | 5.6742 mL  |
| 10 mM | 0.2837 mL | 1.4186 mL  | 2.8371 mL  |
| 50 mM | 0.0567 mL | 0.2837 mL  | 0.5674 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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