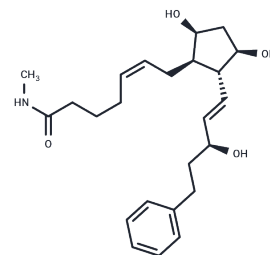


17-phenyl trinor Prostaglandin F2 $\alpha$  methyl amide

## Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 155206-01-2                                              |
| Formula:          | C <sub>24</sub> H <sub>35</sub> NO <sub>4</sub>          |
| Molecular Weight: | 401.547                                                  |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | 17-phenyl trinor Prostaglandin F2 $\alpha$ (17-phenyl trinor PGF2 $\alpha$ ) is a metabolically stable analog of PGF2 $\alpha$ and is a potent agonist for the FP receptor, binding with a relative potency of 756% compared to that of PGF2 $\alpha$ . The ethyl amide of 17-phenyl trinor PGF2 $\alpha$ bimatoprost has been approved for use as an ocular hypotensive drug. 17-phenyl trinor PGF2 $\alpha$ methyl amide is an analog of bimatoprost. Its biological and toxicological properties have not been evaluated. |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Solubility Information

|            |                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMF: 25 mg/mL<br>PBS (pH 7.2): 300 $\mu$ g/mL<br>Ethanol: 50 mg/mL<br>Acetonitrile: 3 mg/mL<br>DMSO: 25 mg/mL<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.4903 mL | 12.4517 mL | 24.9035 mL |
| 5 mM  | 0.4981 mL | 2.4903 mL  | 4.9807 mL  |
| 10 mM | 0.249 mL  | 1.2452 mL  | 2.4903 mL  |
| 50 mM | 0.0498 mL | 0.249 mL   | 0.4981 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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