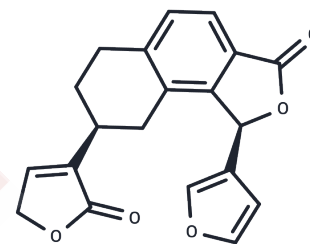


## Tilifodiolide

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 126724-95-6   |
| Formula:          | C <sub>20</sub> H <sub>16</sub> O <sub>5</sub>  |
| Molecular Weight: | 336.34  |
| 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   | Tilifodiolide exerts in vitro and in vivo anti-inflammatory activity and in vivo antinociceptive effects. Tilifodiolide exerted antidiarrheal activity by decreasing the intestinal fluid accumulation and vasorelaxant effects mediated by nitric oxide and cyclic guanosine monophosphate, it also showed anxiolytic and antidepressant effects by the partial involvement of gamma-Aminobutyric acid (GABA) receptors and the possible participation of $\alpha$ 2-adrenoreceptors, respectively. |
| Targets(IC50) | GABA Receptor,IL Receptor,TNF  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.9732 mL | 14.8659 mL | 29.7318 mL |
| 5 mM  | 0.5946 mL | 2.9732 mL  | 5.9464 mL  |
| 10 mM | 0.2973 mL | 1.4866 mL  | 2.9732 mL  |
| 50 mM | 0.0595 mL | 0.2973 mL  | 0.5946 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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