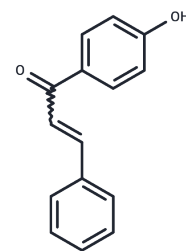


## 4'-Hydroxychalcone

## Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 2657-25-2                                                |
| Formula:          | C <sub>15</sub> H <sub>12</sub> O <sub>2</sub>           |
| Molecular Weight: | 224.25                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------|
| Description   | 4'-Hydroxychalcone (2-Benzal-4-Hydroxyacetophenone) is a chalcone metabolite with hepatoprotective activity |
| Targets(IC50) | Proteasome                                                                                                  |

## Solubility Information

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 50 mg/mL (222.97 mM),<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.4593 mL | 22.2965 mL | 44.5931 mL |
| 5 mM  | 0.8919 mL | 4.4593 mL  | 8.9186 mL  |
| 10 mM | 0.4459 mL | 2.2297 mL  | 4.4593 mL  |
| 50 mM | 0.0892 mL | 0.4459 mL  | 0.8919 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.

## Reference

Orlikova B , Tasdemir D , Golais F , et al. The aromatic ketone 4'-hydroxychalcone inhibits TNF $\alpha$ -induced NF- $\kappa$ B activation via proteasome inhibition[J]. biochemical pharmacology, 2011, 82(6):620-631.

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

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481