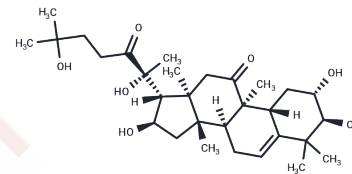


Cucurbitacin IIb

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 50298-90-3 |
| Formula: | C ₃₀ H ₄₈ O ₇ |
| Molecular Weight: | 520.7 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|---------------|--|
| Description | 1. Cucurbitacin IIb is one of the major active compounds in Hemsleyadine tablets which have been used for clinical treatment of bacillary dysentery, enteritis and acute tonsillitis. 2. Cucurbitacin IIb exhibits its anti-inflammatory activity through modulating multiple cellular behaviors and signaling pathways, leading to the suppression of the adaptive immune response. |
| Targets(IC50) | Apoptosis |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 65 mg/mL (124.83 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9205 mL | 9.6025 mL | 19.2049 mL |
| 5 mM | 0.3841 mL | 1.9205 mL | 3.841 mL |
| 10 mM | 0.192 mL | 0.9602 mL | 1.9205 mL |
| 50 mM | 0.0384 mL | 0.192 mL | 0.3841 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

Yao W , Gao-Xiang Z , Li-Hui X , et al. Cucurbitacin IIb Exhibits Anti-Inflammatory Activity through Modulating Multiple Cellular Behaviors of Mouse Lymphocytes[J]. PLoS ONE, 2014, 9(2):e89751-.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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