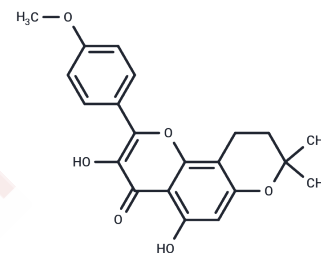


β-Anhydroicaritin

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 38226-86-7 |
| Formula: | C ₂₁ H ₂₀ O ₆ |
| Molecular Weight: | 368.38 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i> |



Biological Description

| | |
|---------------|--|
| Description | 1. β-Anhydroicaritin exhibits immunosuppressive effect on the mouse macrophages stimulated by LPS. 2. β-Anhydroicaritin phytosomes can inhibit enhanced bone turnover induced by ovariectomy, improve BMD the biomechanical properties of vertebrae, without any stimulation on uterus. 3. β-Anhydroicaritin possesses significant protective effects on the zymosan-induced peritonitis mice, which might be associated with the regulation of Ca(2+); influx in macrophages and iNOS expression. |
| Targets(IC50) | MMP, Interleukin, TNF |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 3.69 mg/mL (10.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7146 mL | 13.5729 mL | 27.1459 mL |
| 5 mM | 0.5429 mL | 2.7146 mL | 5.4292 mL |
| 10 mM | 0.2715 mL | 1.3573 mL | 2.7146 mL |
| 50 mM | 0.0543 mL | 0.2715 mL | 0.5429 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.

Reference

- Gao Y, Xu G, Ma L, et al. Icarisid I specifically facilitates ATP or nigericin-induced NLRP3 inflammasome activation and causes idiosyncratic hepatotoxicity[J]. Cell Communication and Signaling. 2020
- Wang Z, Xu G, Wang H, et al. Icariside II , a main compound in Epimedii Folium, induces idiosyncratic hepatotoxicity by enhancing NLRP3 inflammasome activation. Acta Pharmaceutica Sinica B. 2020
- Gao Y, Xu G, Ma L, et al. Icariside I specifically facilitates ATP or nigericin-induced NLRP3 inflammasome activation and causes idiosyncratic hepatotoxicity. Cell Communication and Signaling. 2021 Feb 11;19(1):13. doi: 10.1186/s12964-020-00647-1.
- Wang Z, Xu G, Wang H, et al. Icariside II Contributes to Epimedii folium-Induced Hepatotoxicity Through Enhancing NLRP3 Inflammasome Activation[J]. Epimedii folium. 2019.
- Gao Y, Xu G, Ma L, et al. Icarisid I specifically facilitates ATP or nigericin-induced NLRP3 inflammasome activation and causes idiosyncratic hepatotoxicity. Cell Communication and Signaling. 2020
- Gao Y, Xu G, Ma L, et al. Icarisid I specifically facilitates ATP or nigericin-induced NLRP3 inflammasome activation and causes idiosyncratic hepatotoxicity[J]. Cell Communication and Signaling. 2020
- Gao Y, Xu G, Ma L, et al. Icariside I specifically facilitates ATP or nigericin-induced NLRP3 inflammasome activation and causes idiosyncratic hepatotoxicity[J]. Cell Communication and Signaling. 2021, 19(1): 1-14.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481