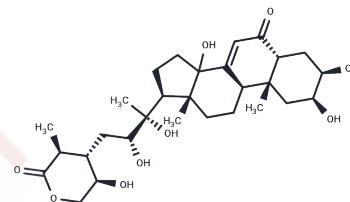


Cyasterone

Chemical Properties

CAS No. : 17086-76-9
 Formula: C₂₉H₄₄O₈
 Molecular Weight: 520.65
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

| | |
|---------------|---|
| Description | Cyasterone (Cyasteron), a natural EGFR inhibitor, can inhibit the growth of A549 and MGC823 cells, via regulating EGFR signaling pathway, it may be a promising anti-cancer agent. Cyasterone has antifeeding activity. |
| Targets(IC50) | Apoptosis,EGFR |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 91 mg/mL (174.78 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9207 mL | 9.6034 mL | 19.2068 mL |
| 5 mM | 0.3841 mL | 1.9207 mL | 3.8414 mL |
| 10 mM | 0.1921 mL | 0.9603 mL | 1.9207 mL |
| 50 mM | 0.0384 mL | 0.1921 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

Hirayama Y,et al. Stereochemical assignment of C-24 and C-25 of amarasterone A, a putative biosynthetic intermediate of cyasterone. J Org Chem. 2014 Jun 20;79(12):5471-7.
 Lu X,et al. Anti-proliferation effects, efficacy of cyasterone in vitro and in vivo and its mechanism. Biomed Pharmacother. 2016 Dec;84:330-339.

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