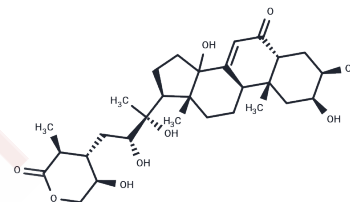


Cyasterone

Chemical Properties

CAS No. :	17086-76-9
Formula:	C ₂₉ H ₄₄ O ₈
Molecular Weight:	520.65
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



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: 250 mg/mL (480.17 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

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

- 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.

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