Triptophenolide

Cat. No.: HY-N0475

CAS No.: 74285-86-2

Molecular Formula: $C_{20}H_{24}O_3$

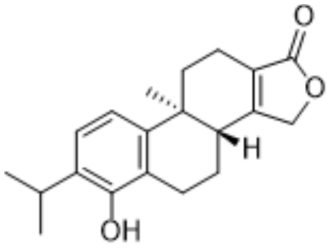
Molecular Weight: 312.4

Target: Androgen Receptor

Pathway: Vitamin D Related/Nuclear Receptor

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (320.10 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.2010 mL	16.0051 mL	32.0102 mL
5 mM	0.6402 mL	3.2010 mL	6.4020 mL
10 mM	0.3201 mL	1.6005 mL	3.2010 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (8.00 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Triptophenolide is a colorless crystalline plate isolated from ethyl acetate extracts of Tripterygium wilfordii. IC50 value:Target:In vitro: Triptophenolide can remarkably inhibit the delayed type hypersensitivity (DTH) reaction induced by DNCB and BSA; and diminished the peripheral blood ANAE+lymphocytes in rats and micc. Moreover, triptophenolide can dramatically increase the amount of total serum complement and significautly decrcase the serum antibody products (1gG) of rats and mice. The phagocytosis of perioneal exudate macrophages in mice present double effects in vitro [1].In vivo:

REFERENCES

[1]. XU bin, et al. Study on polarographic catalytic wave of triptophenolide. Chinese Journal of Analysis Laboratory, 2005-04

[2]. Yang Jun, et al. Studies on Antiinflammatory and Immune Effects of Triptophenolide. Chinese Traditional and Herbal Drugs, 1995-01

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