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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Psoralenoside

Cat. No.: HY-N7503

CAS No.: 905954-17-8

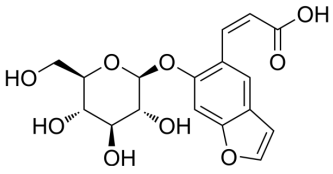
Molecular Formula: $C_{17}H_{18}O_9$

Molecular Weight: 366.32

Target: Histamine Receptor; Calcium Channel; Calmodulin

Pathway: GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Membrane Transporter/Ion Channel

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (272.99 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.7299 mL	13.6493 mL	27.2985 mL
	5 mM	0.5460 mL	2.7299 mL	5.4597 mL
	10 mM	0.2730 mL	1.3649 mL	2.7299 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.82 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.82 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Psoralenoside is a benzofuran glycoside from Psoralea corylifolia[1]. Psoralenoside exhibits high binding affinities against histaminergic H_1, calmodulin, and voltage-gated L-type calcium channels (E-value≥-6.5 Kcal/mol)[2]. Psoralenoside shows estrogen-like activity, osteoblastic proliferation accelerating activity, antitumor effects and antibacterial activity[3].

IC_{50} & Target	H_1 Receptor	L-type calcium channel

REFERENCES

[1]. Chun-Feng Qiao, et al.Psoralenoside and isopsoralenoside, two new benzofuran glycosides from Psoralea corylifolia. Chem Pharm Bull (Tokyo). 2006 May;54(5):714-6.

[2]. Muhammad Bilal Riaz, et al. Pharmacological and computational evaluation of fig for therapeutic potential in hyperactive gastrointestinal disorders. BMC Complement Altern Med. 2019 Dec 3;19(1):348.

[3]. Yue-Fei Wang, et al.A UPLC-MS/MS method for in vivo and in vitro pharmacokinetic studies of psoralenoside, isopsoralenoside, psoralen and isopsoralen from Psoralea corylifolia extract. J Ethnopharmacol

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