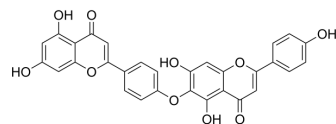


Hinokiflavone

Cat. No.:	HY-N2360
CAS No.:	19202-36-9
Molecular Formula:	C ₃₀ H ₁₈ O ₁₀
Molecular Weight:	538.46
Target:	E1/E2/E3 Enzyme; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (92.86 mM; Need ultrasonic)
Ethanol : 2 mg/mL (3.71 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		1.8571 mL	9.2857 mL	18.5715 mL
	5 mM		0.3714 mL	1.8571 mL	3.7143 mL
	10 mM		0.1857 mL	0.9286 mL	1.8571 mL

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

In Vivo

- Add each solvent one by one: 50% PEG300 >> 50% saline
Solubility: 10 mg/mL (18.57 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 0.83 mg/mL (1.54 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Hinokiflavone is a novel modulator of pre-mRNA splicing activity in vitro and in cellulo. Hinokiflavone blocks splicing of pre-mRNA substrates by inhibiting spliceosome assembly, specifically preventing B complex formation. Hinokiflavone is a SUMO protease inhibitor, inhibiting sentrin-specific protease 1 (SEN1) activity^[1].

CUSTOMER VALIDATION

- Reprod Domest Anim. 2023 Sep 4.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Pawellek A, et al. Characterisation of the biflavonoid hinokiflavone as a pre-mRNA splicing modulator that inhibits SENP. Elife. 2017 Sep 8;6. pii: e27402.

Caution: Product has not been fully validated for medical applications. For research use only.

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