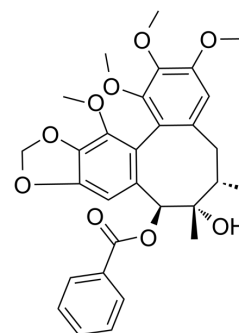


Gomisin G

Cat. No.:	HY-N0858		
CAS No.:	62956-48-3		
Molecular Formula:	C ₃₀ H ₃₂ O ₉		
Molecular Weight:	536.57		
Target:	HIV		
Pathway:	Anti-infection		
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 : ≥ 50 mg/mL (93.18 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8637 mL	9.3184 mL	18.6369 mL
5 mM	0.3727 mL	1.8637 mL	3.7274 mL
10 mM	0.1864 mL	0.9318 mL	1.8637 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (4.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (4.66 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Gomisin G is an ethanolic extract of the stems of *Kadsura interior*; exhibits potent anti-HIV activity with EC₅₀ and therapeutic index (TI) values of 0.006 microgram/mL and 300, respectively.

CUSTOMER VALIDATION

- Biochem Bioph Res Co. 2020 Aug 13;529(1):15-22.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Chen DF, et al. Anti-AIDS agents--XXVI. Structure-activity correlations of gomisin-G-related anti-HIV lignans from *Kadsura interior* and of related synthetic analogues. *Bioorg Med Chem*. 1997 Aug;5(8):1715-23.
- [2]. Ikeya Y, et al. The constituents of *Schizandra chinensis* Baill. I. Isolation and structure determination of five new lignans, gomisin A, B, C, F and G, and the absolute structure of schizandrin. *Chem Pharm Bull (Tokyo)*. 1979 Jun;27(6):1383-94.
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Caution: Product has not been fully validated for medical applications. For research use only.

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