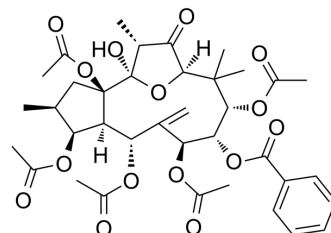


Kansuinine A

Cat. No.:	HY-126421		
CAS No.:	57701-86-7		
Molecular Formula:	C ₃₇ H ₄₆ O ₁₅		
Molecular Weight:	730.75		
Target:	Interleukin Related		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (136.85 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.3685 mL	6.8423 mL	13.6846 mL
	5 mM	0.2737 mL	1.3685 mL	2.7369 mL
	10 mM	0.1368 mL	0.6842 mL	1.3685 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 (3.42 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (3.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Kansuinine A inhibits IL-6-induced Stat3 activation. Kansuinine A possesses antiviral and anticancer activity^{[1][2]}.

REFERENCES

- Jong Sun Chang, et al. Kansuinine A and Kansuinine B from Euphorbia kansui L. inhibit IL-6-induced Stat3 activation. *Planta Med.* 2010 Oct;76(14):1544-9.
- Xiaoyun Shu, et al. Bioassay-guided separation of the proinflammatory constituents from the roots of Euphorbia kansui. *J Nat Med.* 2010 Jan;64(1):98-103.

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

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