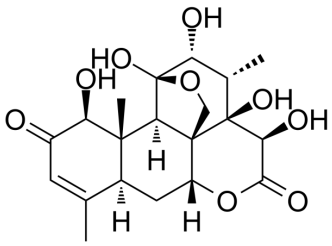
13,21-Dihydroeurycomanone

Cat. No.:	HY-N9320
CAS No.:	129587-06-0
Molecular Formula:	$C_{20}H_{26}O_9$
Molecular Weight:	410.42
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (243.65 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4365 mL	12.1826 mL	24.3653 mL
	5 mM	0.4873 mL	2.4365 mL	4.8731 mL
	10 mM	0.2437 mL	1.2183 mL	2.4365 mL

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

BIOLOGICAL ACTIVITY

Description

13,21-Dihydroeurycomanone, a natural compound isolated from Eurycoma longifolia root, possesses anti-parasite activity for Plasmodium falciparum and Toxoplasma gondii[1][2].

IC_{50} & Target	Plasmodium	Toxoplasma

REFERENCES

[1]. Walther H Wernsdorfer, et al. Activity of Eurycoma longifolia root extract against Plasmodium falciparum in vitro. Wien Klin Wochenschr. 2009 Oct;121 Suppl 3:23-6.

[2]. Nowroji Kavitha, et al. In vitro anti-Toxoplasma gondii activity of root extract/fractions of Eurycoma longifolia Jack. BMC Complement Altern Med. 2012 Jul 10;12:91.

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

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