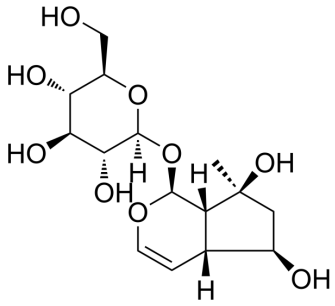
Ajugol

Cat. No.:	HY-N0914
CAS No.:	52949-83-4
Molecular Formula:	$C_{15}H_{24}O_9$
Molecular Weight:	348.35
Target:	Parasite
Pathway:	Anti-infection
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 : ≥ 3.7 mg/mL (10.62 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	2.8707 mL	14.3534 mL	28.7068 mL
5 mM	0.5741 mL	2.8707 mL	5.7414 mL
10 mM	0.2871 mL	1.4353 mL	2.8707 mL

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

BIOLOGICAL ACTIVITY

Description

Ajugol is an iridoid glycoside that can be isolated from Leonurus artemisia. Ajugol has anti-protozoal activity againt Trypanosoma b. rhodesiense with an IC_{50} of 31.8 μg/mL[1].

IC_{50} & Target

Trypanosoma

CUSTOMER VALIDATION

- Chin Med. 2023 Sep 7;18(1):113.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Deniz Tasdemir, et al. Anti-protozoal and plasmodial FabI enzyme inhibiting metabolites of Scrophularia lepidota roots. Phytochemistry. 2005 Feb;66(3):355-62.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA