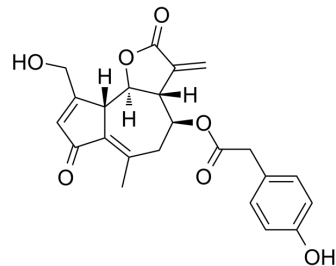


Lactupicrin

Cat. No.:	HY-N8290
CAS No.:	65725-11-3
Molecular Formula:	C ₂₃ H ₂₂ O ₇
Molecular Weight:	410.42
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (609.13 mM; Need ultrasonic)

Concentration	Mass			
	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

Lactupicrin (Lactucopicrin) is a characteristic bitter sesquiterpene lactone that can relieve pain. Lactupicrin exhibits atheroprotective effect^{[1][2]}.

REFERENCES

- [1]. Wesołowska A, et, al. Analgesic and sedative activities of lactucin and some lactucin-like guaianolides in mice. *J Ethnopharmacol.* 2006 Sep 19;107(2):254-8.
- [2]. Li Q, et, al. Terpene Lactucopicrin Limits Macrophage Foam Cell Formation by a Reduction of Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 in Lipid Rafts. *Mol Nutr Food Res.* 2022 Feb;66(4):e2100905.

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

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