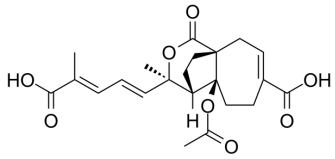
Pseudolaric Acid C2

Cat. No.:	HY-N6910
CAS No.:	82508-35-8
Molecular Formula:	$C_{22}H_{26}O_8$
Molecular Weight:	418.44
Target:	Others
Pathway:	Others
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 : 50 mg/mL (119.49 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3898 mL	11.9491 mL	23.8983 mL
	5 mM	0.4780 mL	2.3898 mL	4.7797 mL
	10 mM	0.2390 mL	1.1949 mL	2.3898 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Pseudolaric Acid C2, a diterpenoid isolated from Pseudolarix kaempferi, is identified as the specific metabolite of Pseudolaric acid B in plasma, urine, bile and feces after both oral and intravenous administration to rats[1][2].

REFERENCES

[1]. Liu P, et al. Simultaneous determination of seven major diterpenoids in Pseudolarix kaempferi by high-performance liquid chromatography DAD method. J Pharm

Biomed Anal. 2007 Jul 27;44(3):730-6.

[2]. Liu P, et al. [Metabolic pathway and metabolites of pseudolaric acid B]. Yao Xue Xue Bao. 2011 Nov;46(11):1361-5.

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

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