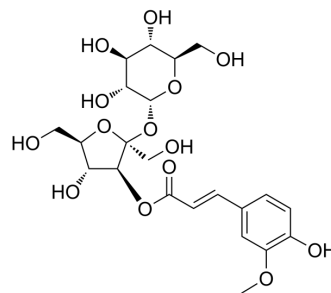


Sibiricose A5

Cat. No.:	HY-N2167
CAS No.:	107912-97-0
Molecular Formula:	C ₂₂ H ₃₀ O ₁₄
Molecular Weight:	518.47
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (96.44 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9288 mL	9.6438 mL	19.2875 mL
	5 mM	0.3858 mL	1.9288 mL	3.8575 mL
	10 mM	0.1929 mL	0.9644 mL	1.9288 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 (4.82 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.82 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Sibiricose A5 is an oligosaccharide ester isolated from Polygalae Radix with potent antioxidant activity^{[1][2]}.

REFERENCES

[1]. Ba Y, et al. Intestinal Absorption Profile of Three Polygala Oligosaccharide Esters in Polygalae Radix and the Effects of Other Components in Polygalae Radix on Their Absorption. Evid Based Complement Alternat Med. 2019 Jul 2;2019:1379531.

[2]. Shi Q, et al. Indirect identification of antioxidants in Polygalae Radix through their reaction with 2,2-diphenyl-1-picrylhydrazyl and subsequent HPLC-ESI-Q-TOF-MS/MS. Talanta. 2015 Nov 1;144:830-5.

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

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