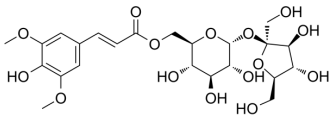
Sibiricose A1

Cat. No.:	HY-N8208
CAS No.:	139726-40-2
Molecular Formula:	$C_{23}H_{32}O_{15}$
Molecular Weight:	548.49
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 : 100 mg/mL (182.32 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8232 mL	9.1159 mL	18.2319 mL
	5 mM	0.3646 mL	1.8232 mL	3.6464 mL
	10 mM	0.1823 mL	0.9116 mL	1.8232 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 (4.56 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (4.56 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (4.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Sibiricose A1is an oligosaccharide ester that can be found in Polygala tenuifolia[1].

REFERENCES

[1]. Tu HH, et, al. [Study on antidepressant components of sucrose ester from Polygala tenuifolia]. Zhongguo Zhong Yao Za Zhi. 2008 Jun;33(11):1278-80.

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