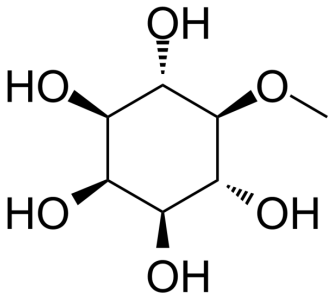
Sequoyitol

Cat. No.:	HY-N2421
CAS No.:	523-92-2
Molecular Formula:	$C_7H_{14}O_6$
Molecular Weight:	194.18
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

H_2O : 100 mg/mL (514.99 mM; Need ultrasonic)

Preparing Stock Solutions

Mass / Solvent / Concentration	1 mg	5 mg	10 mg
1 mM	5.1499 mL	25.7493 mL	51.4986 mL
5 mM	1.0300 mL	5.1499 mL	10.2997 mL
10 mM	0.5150 mL	2.5749 mL	5.1499 mL

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

In Vivo

1. Add each solvent one by one: PBS
   Solubility: 100 mg/mL (514.99 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Sequoyitol (5-O-Methyl-myo-inositol) is isolated from plants. Sequoyitol (5-O-Methyl-myo-inositol) decreases blood glucose, improves glucose intolerance, and is used to treat diabetes[1].

CUSTOMER VALIDATION

- Insects. 2022, 13(9), 802.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Li XW, et al.Sequoyitol decreases blood glucose, improves glucose intolerance, and enhances insulin signaling in vivo. Can J Physiol Pharmacol. 2014 May;92(5):405-17.

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