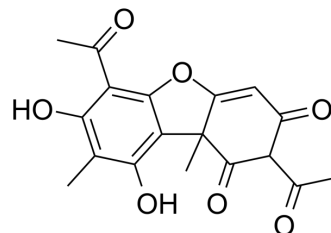


Usnic acid

Cat. No.:	HY-N0656		
CAS No.:	125-46-2		
Molecular Formula:	C ₁₈ H ₁₆ O ₇		
Molecular Weight:	344.32		
Target:	Bacterial		
Pathway:	Anti-infection		
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 : 3.33 mg/mL (9.67 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9043 mL	14.5214 mL	29.0428 mL
	5 mM	0.5809 mL	2.9043 mL	5.8085 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Usnic acid, a lichen-derived secondary metabolite, has a unique dibenzofuran skeleton. Usnic acid has excellent anticancer and antimicrobial properties. Usnic acid significantly inhibits RANKL-mediated osteoclast formation and function by reducing the transcriptional and translational expression of NFATc1^[1].

REFERENCES

[1]. Kim KJ, et al. Effect of Usnic Acid on Osteoclastogenic Activity. J Clin Med. 2018 Oct 12;7(10). pii: E345.

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