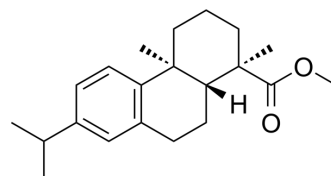


Methyl dehydroabietate

Cat. No.:	HY-W109613
CAS No.:	1235-74-1
Molecular Formula:	C ₂₁ H ₃₀ O ₂
Molecular Weight:	314.46
Target:	Bacterial
Pathway:	Anti-infection
Storage:	<div> <div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> </div> <div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div> </div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (159.00 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div>Solvent</div> <div>Concentration</div>	Mass	1 mg	5 mg	10 mg
		1 mM		3.1801 mL	15.9003 mL	31.8005 mL
		5 mM		0.6360 mL	3.1801 mL	6.3601 mL
		10 mM		0.3180 mL	1.5900 mL	3.1801 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Methyl dehydroabietate is a kind of resin acid that can be isolated from spruce bark. Methyl dehydroabietate has antimicrobial activities ^[1] .
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REFERENCES

[1]. Burčová Z, et al. Antibacterial and antifungal activity of phytosterols and methyl dehydroabietate of Norway spruce bark extracts. J Biotechnol. 2018 Sep 20;282:18-24.

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

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