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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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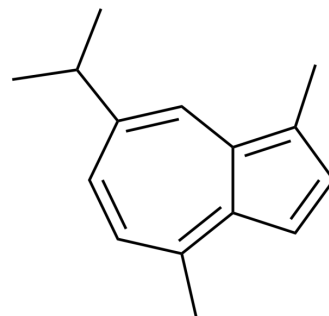
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Guaiazulene

Cat. No.:	HY-N6951		
CAS No.:	489-84-9		
Molecular Formula:	C ₁₅ H ₁₈		
Molecular Weight:	198.3		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (252.14 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.0429 mL	25.2143 mL	50.4286 mL
		5 mM	1.0086 mL	5.0429 mL	10.0857 mL
10 mM		0.5043 mL	2.5214 mL	5.0429 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: ≥ 6.25 mg/mL (31.52 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 6.25 mg/mL (31.52 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Guaiazulene is present in several essential oils of medicinal and aromatic plants, with antioxidant activity. Guaiazulene has in vitro cytotoxic activity against neuron and N2a neuroblastom (N2a-NB) cells ^{[1][2]} .
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Kourounakis AP, et al. Antioxidant activity of guaiazulene and protection against paracetamol hepatotoxicity in rats. J Pharm Pharmacol. 1997 Sep;49(9):938-42.

[2]. Togar B, et al. Guaiazulene biochemical activity and cytotoxic and genotoxic effects on rat neuron and N2a neuroblastom cells. J Intercult Ethnopharmacol. 2015 Jan-Mar;4(1):29-33.

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

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