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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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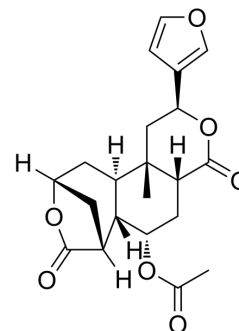
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8-Epidiosbulbin E acetate

Cat. No.:	HY-N7047		
CAS No.:	91095-48-6		
Molecular Formula:	C ₂₁ H ₂₄ O ₇		
Molecular Weight:	388.41		
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 : 100 mg/mL (257.46 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		2.5746 mL	12.8730 mL	25.7460 mL
		5 mM		0.5149 mL	2.5746 mL	5.1492 mL
10 mM			0.2575 mL	1.2873 mL	2.5746 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 (6.44 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.44 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.44 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	8-Epidiosbulbin E acetate, a furanoid, is abundant in <i>Dioscorea bulbifera</i> L.. 8-Epidiosbulbin E acetate exhibits broad-spectrum plasmid-curing activity against multidrug-resistant (MDR) bacteria. 8-Epidiosbulbin E acetate induces liver injury in mice ^{[1][2]} .
In Vivo	8-Epidiosbulbin E acetate can be used in animal modeling to construct animal liver injury models. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Shriram V, et al. A potential plasmid-curing agent, 8-epidiosbulbin E acetate, from Dioscorea bulbifera L. against multidrug-resistant bacteria. *Int J Antimicrob Agents*. 2008 Nov;32(5):405-10.
- [2]. Lin D, et al. Role of Metabolic Activation in 8-Epidiosbulbin E Acetate-Induced Liver Injury: Mechanism of Action of the Hepatotoxic Furanoid. *Chem Res Toxicol*. 2016 Mar 21;29(3):359-66.
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Caution: Product has not been fully validated for medical applications. For research use only.

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