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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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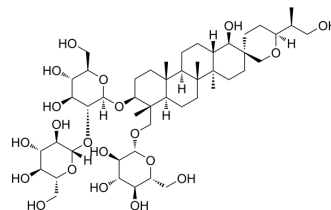
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Hosenkoside A

Cat. No.:	HY-N2249		
CAS No.:	156791-82-1		
Molecular Formula:	C ₄₈ H ₈₂ O ₂₀		
Molecular Weight:	979.15		
Target:	Others		
Pathway:	Others		
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 : 50 mg/mL (51.06 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	1.0213 mL	5.1065 mL	10.2129 mL
	5 mM	0.2043 mL	1.0213 mL	2.0426 mL
	10 mM	0.1021 mL	0.5106 mL	1.0213 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.55 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.55 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.55 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	Hosenkoside A is a baccharane glycoside isolated from the seeds of <i>impatiens balsamina</i> .
In Vivo	<p>The mean peak concentrations of hosenkoside A in rats after oral administration of total saponins of <i>Semen Impatiensis</i> is 162.08±139.87 ng/mL, occurring at times of 0.67 h. The terminal half-lives of hosenkoside A is 5.39±2.06h^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

PROTOCOL

Animal Administration

Male Wistar rats (7 weeks old, 220±20 g, n=6) are fasted for 12 h. Total saponins of Semen Impatientis at a dose of 300 mg (in 10 mL)/kg are orally administered to rats using a gastric gavage tube. The doses of hosenkoside A is 12.4 mg/kg for an oral dose of 300 mg/kg total saponins. Blood samples (0.20 mL) are collected from suborbital vein into heparinized tubes before administration (0 min), and 0.08, 0.25, 0.5, 0.75, 1, 1.5, 2, 4, 6, 8, 12 and 24 h after dosing.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yu X, et al. An LC-MS/MS method for simultaneous determination of hosenkoside A and hosenkoside K from Semen Impatientis in rat plasma and its application to a pharmacokinetic study. *Biomed Chromatogr.* 2017 Mar;31(3).

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

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