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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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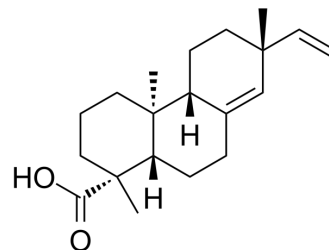
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Continentalic acid

Cat. No.:	HY-N6908
CAS No.:	19889-23-7
Molecular Formula:	C ₂₀ H ₃₀ O ₂
Molecular Weight:	302.45
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (330.63 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.3063 mL	16.5317 mL	33.0633 mL
				5 mM	0.6613 mL	3.3063 mL	6.6127 mL
				10 mM	0.3306 mL	1.6532 mL	3.3063 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 (8.27 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.27 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.27 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Continentalic acid from <i>Aralia continentalis</i> has minimum inhibitory concentrations (MICs) of approximately 8-16 µg/mL against <i>S. aureus</i> , including the Methicillin (HY-121544) susceptible <i>Staphylococcus aureus</i> (MSSA) and Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) standard strains ^[1] .
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REFERENCES

[1]. Jeong SI, et al. Continentalic acid from *Aralia continentalis* shows activity against methicillin-resistant *Staphylococcus aureus*. *Phytother Res.* 2006 Jun;20(6):511-4.

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

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