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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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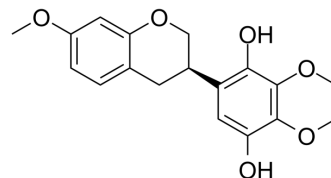
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Colutehydroquinone

Cat. No.:	HY-N8026
CAS No.:	181311-16-0
Molecular Formula:	C ₁₈ H ₂₀ O ₆
Molecular Weight:	332.35
Target:	Fungal
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (300.89 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		3.0089 mL	15.0444 mL	30.0888 mL
		5 mM		0.6018 mL	3.0089 mL	6.0178 mL
	10 mM		0.3009 mL	1.5044 mL	3.0089 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 (7.52 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 (7.52 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.52 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Colutehydroquinone is an isoflavonoid that can be found in the root bark of <i>Colutea arborescens</i> . Colutehydroquinone exhibits antifungal activity ^[1] .
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REFERENCES

[1]. Grosvenor PW, et, al. Colutequinone and colutehydroquinone, antifungal isoflavonoids from *Colutea arborescens*. *Phytochemistry*. 1996 Sep;43(2):377-80.

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

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