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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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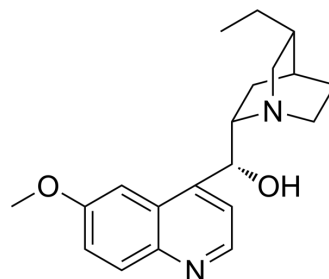
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Hydroquinine

Cat. No.:	HY-42034
CAS No.:	522-66-7
Molecular Formula:	C ₂₀ H ₂₆ N ₂ O ₂
Molecular Weight:	326.43
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 130 mg/mL (398.25 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (insoluble)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	3.0634 mL	15.3172 mL
5 mM	0.6127 mL	3.0634 mL	6.1269 mL		
10 mM	0.3063 mL	1.5317 mL	3.0634 mL		

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 3.25 mg/mL (9.96 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 3.25 mg/mL (9.96 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 3.25 mg/mL (9.96 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Hydroquinine is a cinchona alkaloid, can be used in the preparation of its derivatives such as C9 epihydroquinine, 9-acetoxy-10,11-dihydroquinine and 10,11-dihydroquinine monohydrochloride^[1].

REFERENCES

[1]. Cassani C, et al. Synthesis of 9-amino(9-deoxy)epi cinchona alkaloids, general chiral organocatalysts for the stereoselective functionalization of carbonyl compounds. Nat Protoc. 2013 Feb;8(2):325-44.

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

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