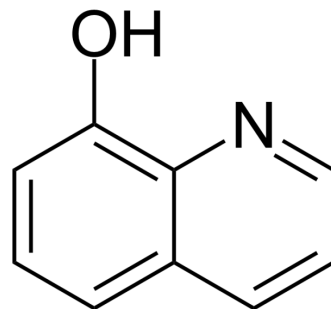


8-Hydroxyquinoline

Cat. No.:	HY-B1005	
CAS No.:	148-24-3	
Molecular Formula:	C ₉ H ₇ NO	
Molecular Weight:	145.16	
Target:	Bacterial; Antibiotic	
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 : 50 mg/mL (344.45 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.8889 mL	34.4447 mL	68.8895 mL
	5 mM	1.3778 mL	6.8889 mL	13.7779 mL
	10 mM	0.6889 mL	3.4445 mL	6.8889 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: ≥ 2.5 mg/mL (17.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (17.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (17.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

8-Hydroxyquinoline (8-Hydroxyquinoline) is a monoprotic bidentate chelating agent, exhibits antiseptic, disinfectant, and pesticide properties, functioning as a transcription inhibitor.

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

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