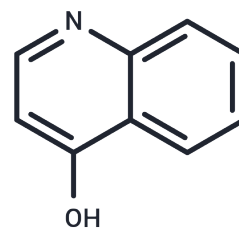


4-Hydroxyquinoline

Chemical Properties

CAS No. :	611-36-9
Formula:	C ₉ H ₇ NO
Molecular Weight:	145.16
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	4-Hydroxyquinoline (4-Quinolinol) is a hydroxylated quinoline derivative with antimicrobial activity. It shows growth-inhibitory effects against intestinal bacteria. It also can be used as sacrificial scavengers of the photogenerated oxygen species.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 50 mg/mL (344.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.889 mL	34.4448 mL	68.8895 mL
5 mM	1.3778 mL	6.889 mL	13.7779 mL
10 mM	0.6889 mL	3.4445 mL	6.889 mL
50 mM	0.1378 mL	0.6889 mL	1.3778 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Criado S, et al. Kinetic study of the riboflavin-sensitised photooxygenation of two hydroxyquinolines of biological interest.[J]. Journal of Photochemistry & Photobiology B Biology, 2003, 71(1):19-25.

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