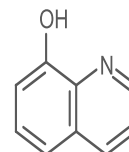


## Hydroxyquinoline

## Chemical Properties

CAS No.:	148-24-3
Formula:	C <sub>9</sub> H <sub>7</sub> NO
Molecular Weight:	145.16
Appearance:	Solid
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Oxyquinoline is a heterocyclic phenol and derivative of quinoline with antiseptic, disinfectant, and pesticide properties. It is used as a stabilizer for hydrogen peroxide, where it is sometimes added in cosmetic products.
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	DMSO: 50 mg/mL (344.45 mM) (< 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	34.445 mL	68.890 mL
5 mM	1.378 mL	6.889 mL	13.778 mL
10 mM	0.689 mL	3.444 mL	6.889 mL
50 mM	0.138 mL	0.689 mL	1.378 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

- Freitas LB, et al. Eur J Med Chem. 2014 Sep 12;84:595-604.

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481