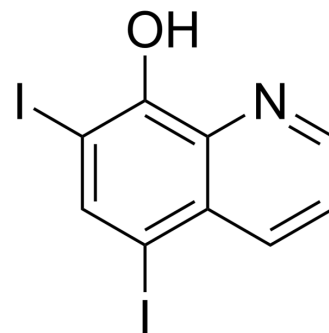


## Diiodohydroxyquinoline

<b>Cat. No.:</b>	HY-B1400		
<b>CAS No.:</b>	83-73-8		
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>5</sub> I <sub>2</sub> NO		
<b>Molecular Weight:</b>	396.95		
<b>Target:</b>	Bacterial; Antibiotic; Parasite		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 20.83 mg/mL (52.48 mM; ultrasonic and warming and heat to 60°C)  
 H<sub>2</sub>O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5192 mL	12.5960 mL	25.1921 mL
	5 mM	0.5038 mL	2.5192 mL	5.0384 mL
	10 mM	0.2519 mL	1.2596 mL	2.5192 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 (6.30 mM); Suspended solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Diiodohydroxyquinoline has good antibacterial properties.

### CUSTOMER VALIDATION

- Anal Biochem. 2019 Dec 15;587:113463.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

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[1]. Martínez-Castillo M, et al. Flavonoids as a Natural Treatment Against *Entamoeba histolytica*. *Front Cell Infect Microbiol*. 2018 Jun 22;8:209.

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

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