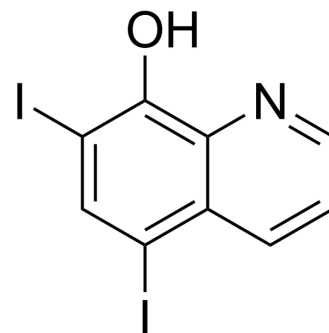


Diiodohydroxyquinoline

Cat. No.:	HY-B1400		
CAS No.:	83-73-8		
Molecular Formula:	C ₉ H ₅ I ₂ NO		
Molecular Weight:	396.95		
Target:	Bacterial; Antibiotic; Parasite		
Pathway:	Anti-infection		
Storage:	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)
 H₂O : < 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

REFERENCES

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

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

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