

Product Information

Antifection inhibitor Clioquinol, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ064

Size: 500 mg; 1 g; 2 g; 5 g

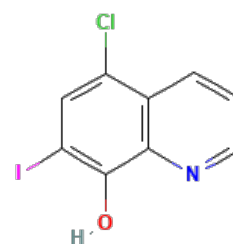
MDL: MFCD00006787

CAS Number: 130-26-7

Compound CID: 2788

Synonym: 130-26-7; Antifection inhibitor; Iodochlorhydroxyquin; Chinoform

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Clioquinol, soluble in DMSO and ethanol and insoluble in water, has strong immunosuppressant properties.
Molecular Weight	305.5
Molecular Formula	C ₉ H ₅ ClINO
IUPAC Name	5-Chloro-7-iodoquinolin-8-ol
InChI	InChI=1S/C9H5ClINO/c10-6-4-7(11)9(13)8-5(6)2-1-3-12-8/h1-4,13H
InChI Key	QCDFBFJGMNKBDO-UHFFFAOYSA-N
Canonical SMILES	C1=CC2=C(C(=C(C=C2Cl)I)O)N=C1
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 59 mg/mL (193.12 mM); Water: Insoluble; Ethanol: 1 mg/mL (3.27 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Clioquinol is used in scientific investigations for its antifungal and antibacterial properties, frequently studied in treatments for skin infections.
Storage	Store at -20°C, and keep desiccated.