Clioquinol

Other names:

8-Quinolinol, 5-chloro-7-iodo-
Alchloquin
Amebil
Amoenol
Bactol
Barquinol
Budoform
Chinoform
Chloroiodoquin
Chloroiodoquine
Chlorojodochin
Cifoform
Cliquinol
Dioquinol
Eczecidin
Emaform
Entero-Bioform
Entero-Septol
Entero-Vioform
Enteroquinol
Enterozol
Enterseptol
Entrokin
Hi-Enterol
Hydriodide-enterol
Iodenterol
Iodochlorhydroxyquin
Iodochlorhydroxyquinol
Iodochlorohydroxyquinoline
Iodochloroquine
Iodochloroxine
Iodochloroxyquinoline
Iodoenterol
Lekosept
Nioform
Quinambicide
Quinoform
Rometin
Vioform
7-Iodo-5-chloroxine

	5-Chloro-8-hydroxy-7-iodoquinoline
	5-Chloro-7-iodo-8-hydroxyquinoline
	Chloro-8-hydroxyiodoquinoline
	Dermaform
	Domeform
	Iodochlorhydroxyquinoline
	Mycoquin
	Quin-O-Creme
	Quinoform (antiseptic)
	Quinoline, chloro-8-hydroxyiodo-
	Rheaform
	Vioform N.N.R.
	5-Chloro-7-iodo-8-quinolinol
	7-Iodo-5-chloro-8-hydroxyquinoline
	5-Chlor-7-jod-8-hydroxy-chinolin
	Enterum locorten
	Domeform-HC
	Cloquinol
	5-Chloro-7-iodoquinolin-8-ol
	Cort-quin
	Hi-eneterol
	Rheaform boluses
	Vioform-hydrocortisone
	Vioformio
	loquinol
Inchi:	InChI=1S/C9H5ClINO/c10-6-4-7(11)9(13)8-5(6)2-1-3-12-8/h1-4,13H
InchiKey:	QCDFBFJGMNKBDO-UHFFFAOYSA-N
Formula:	C9H5ClINO
SMILES:	Oc1c(I)cc(Cl)c2cccnc12
Mol. weight [g/mol]:	305.50
CAS:	130-26-7

Physical Properties

Property code	Value	Unit	Source
hsub	114.80 ± 0.40	kJ/mol	NIST Webbook
log10ws	-4.42		Crippen Method
logp	3.198		Crippen Method
mcvol	148.360	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	111.30 ± 0.40	kJ/mol	368.50	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C130267&Units=SI

Legend

hsub: Enthalpy of sublimation at standard conditions

hsubt: Enthalpy of sublimation at a given temperature

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume