Uridine, 5-iodo-

Other names: 5-Iodouridine
Inchi: InChI=1S/C9H11IN2O6/c10-3-1-12(9(17)11-7(3)16)8-6(15)5(14)4(2-13)18-8/h1,4-6,8,13-
InchiKey: RKSLVDIXBGWPIS-TYQACLPBSA-N
Formula: C9H11IN2O6
SMILES: O=c1[nH]c(=O)n(C2OC(CO)C(O)C2O)cc1I
Mol. weight [g/mol]: 370.10
CAS: 1024-99-3

Physical Properties

Property code	Value	Unit	Source
affp	891.10	kJ/mol	NIST Webbook
log10ws	0.23		Crippen Method
logp	-2.729		Crippen Method
mcvol	184.050	ml/mol	McGowan Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1024993&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

affp: Proton affinity
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume