Uridine, 2',3'-O-(1-methylethylidene)-

Other names:	Uridine, 2',3'-O-isopropylidene-
	Ip-U
	Uridine 2',3'-acetonide
	2',3'-Isopropylideneuridine
	2',3'-O-Isopropylideneuridine
Inchi:	InChI=1S/C12H16N2O6/c1-12(2)19-8-6(5-15)18-10(9(8)20-12)14-4-3-7(16)13-11(14)17/h
InchiKey:	GFDUSNQQMOENLR-UHFFFAOYSA-N
Formula:	C12H16N2O6
SMILES:	CC1(C)OC2C(CO)OC(n3ccc(=O)[nH]c3=O)C2O1
Mol. weight [g/mol]:	284.27
CAS:	362-43-6

Physical Properties

Property code	Value	Unit	Source
affp	874.20	kJ/mol	NIST Webbook
basg	841.70	kJ/mol	NIST Webbook
log10ws	-0.02		Crippen Method
logp	-1.536		Crippen Method
mcvol	189.640	ml/mol	McGowan Method

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=C362436&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume