

# Broxuridine

<b>Other names:</b>	(+)-5-Bromo-2'-deoxyuridine 5-Bromodeoxyuridine 5-Bromo-2'-deoxyuridine 5-Bromodesoxyuridine Uridine, 5-bromo-2'-deoxy- Bromodeoxyuridine Bromoouridine Bromouracil deoxyriboside Brudr BDU BRDU BUdR NSC 38297 Radibud 5-Bdu 5-Bromouracil deoxyriboside 5-Bromouracil-2-deoxyriboside 5-Budr 5-Bromo-2-deoxyuridine 2'-Deoxy-5-bromouridine
<b>Inchi:</b>	InChI=1S/C9H11BrN2O5/c10-4-2-12(9(16)11-8(4)15)7-1-5(14)6(3-13)17-7/h2,5-7,13-14H
<b>InchiKey:</b>	WOVKYSAHUYNSMH-UHFFFAOYSA-N
<b>Formula:</b>	C9H11BrN2O5
<b>SMILES:</b>	O=c1[nH]c(=O)n(C2CC(O)C(CO)O2)cc1Br
<b>Mol. weight [g/mol]:</b>	307.10
<b>CAS:</b>	59-14-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.41		Crippen Method
logp	-1.542		Crippen Method
mcvol	169.860	ml/mol	McGowan Method

# Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C59143&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C59143&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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