

Uracil, 5-iodo, TMS

Other names:	Pyrimidine, 2,4-dihydroxy-5-iodo, TMS 5-Iodouracil, TMS
Inchi:	InChI=1S/C10H19IN2O2Si2/c1-16(2,3)14-9-8(11)7-12-10(13-9)15-17(4,5)6/h7H,1-6H3
InchiKey:	PQSFYGJEXZRHMO-UHFFFAOYSA-N
Formula:	C10H19IN2O2Si2
SMILES:	C[Si](C)(C)Oc1ncc(I)c(O[Si](C)(C)C)n1
Mol. weight [g/mol]:	382.35

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.17		Crippen Method
logp	3.509		Crippen Method
rinpol	1595.80		NIST Webbook
rinpol	1600.00		NIST Webbook
rinpol	1600.00		NIST Webbook
rinpol	1616.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R6052&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/56-586-0/Uracil-5-iodo-TMS.pdf>

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