

Bis(trimethylsilyl)-5-fluorouracil

Other names:	Uracil, 5-fluoro, TMS 5-Fluorouracil, TMS o,o'Bis(trimethylsilyl)-5-fluorouracil
Inchi:	InChI=1S/C10H19FN2O2Si2/c1-16(2,3)14-9-8(11)7-12-10(13-9)15-17(4,5)6/h7H,1-6H3
InchiKey:	MPVQFVDWJDULDL-UHFFFAOYSA-N
Formula:	C10H19FN2O2Si2
SMILES:	C[Si](C)(C)Oc1ncc(F)c(O[Si](C)(C)C)n1
Mol. weight [g/mol]:	274.44
CAS:	17242-85-2

Physical Properties

Property code	Value	Unit	Source
log10ws	0.65		Crippen Method
logp	3.043		Crippen Method
rinpol	1317.90		NIST Webbook
rinpol	1326.00		NIST Webbook
rinpol	1321.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	387.00	K	1.90	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=C17242852&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tbrp:	Boiling point at reduced pressure

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