

Urea, N,N'-bis(tert-butyldimethylsilyl)-

Other names:	Urea, N,N'-diTBDMS Urea diTBDMS Urea, 2tbdms derivative
Inchi:	InChI=1S/C13H32N2OSi2/c1-12(2,3)17(7,8)14-11(16)15-18(9,10)13(4,5)6/h1-10H3,(H2,
InchiKey:	CPFXZLNBOKFILH-UHFFFAOYSA-N
Formula:	C13H32N2OSi2
SMILES:	CC(C)(C)[Si](C)(C)NC(=O)N[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	288.58
CAS:	82475-73-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.50		Crippen Method
logp	4.296		Crippen Method
rinal	1671.00		NIST Webbook
rinal	1671.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C82475738&Units=SI

Legend

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

Latest version available from:

<https://www.chemo.com/cid/114-531-5/Urea-N-N-bis-tert-butyldimethylsilyl.pdf>

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