Cytosine, tert-butyldimethylsilyl ether

Other names: 2-Pyrrol[tert-butyl(dimethyl)silyl]oxymorphopyrimidin-4-amine
Inchi: InChI=1S/C10H19N3OSi/c1-10(2,3)15(4,5)14-9-12-7-6-8(11)13-9/h6-7H,1-5H3,(H2,11,12
InchiKey: RDVKLODNKGCNEN-UHFFFAOYSA-N
Formula: C10H19N3OSi
SMILES: CC(C)(C)[Si](C)(C)Oc1nccc(=N)[nH]1
Mol. weight [g/mol]: 225.36

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.71		Crippen Method
logp	1.791		Crippen Method
rinpol	1682.40		NIST Webbook
rinpol	1682.40		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U332819&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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/83-403-2/Cytosine-tert-butyldimethylsilyl-ether.pdf
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