

2-Hydroxybenzimidazole, N,O-bis(trimethylsilyl)-

Other names: 1-Trimethylsilyl-2-trimethylsilyloxy-1H-benzimidazole

Inchi: InChI=1S/C13H22N2OSi2/c1-17(2,3)15-12-10-8-7-9-11(12)14-13(15)16-18(4,5)6/h7-10H

InchiKey: MVVQUCNHDHXIGNE-UHFFFAOYSA-N

Formula: C₁₃H₂₂N₂OSi₂

SMILES: C[Si](C)(C)Oc1nc2ccccc2n1[Si](C)(C)C

Mol. weight [g/mol]: 278.50

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.39		Crippen Method
logp	3.933		Crippen Method
rinpol	1754.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U378223&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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/13-444-4/2-Hydroxybenzimidazole-N-O-bis-trimethylsilyl.pdf>

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