

2-Ketobutyric acid oxime, bis(trimethylsilyl)-

Other names: 2-Oxobutanoic acid, oxime, bis-TMS
2-Ketobutanoic acid, oxime, bis-TMS
2-Ketobutyric acid, oxime, di-TMS

Inchi: InChI=1S/C10H23NO3Si2/c1-8-9(11-14-16(5,6)7)10(12)13-15(2,3)4/h8H2,1-7H3

InchiKey: OJSHNGJNKUAHHT-UHFFFAOYSA-N

Formula: C10H23NO3Si2

SMILES: CCC(=NO[Si](C)(C)C)C(=O)O[Si](C)(C)C

Mol. weight [g/mol]: 261.47

Physical Properties

Property code	Value	Unit	Source
log10ws	1.79		Crippen Method
logp	2.982		Crippen Method
rinpol	1200.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1200.00		NIST Webbook
rinpol	1187.00		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=U78998&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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