

(E)-1-(4-Methylphenyl)butan-1-one O-(tert-butyldimethylsilyl)oxime

Other names: (E)-N-tert-Butyldimethylsilyloxy-1-(4-methylphenyl)propanimine
Inchi: InChI=1S/C17H29NOSi/c1-8-9-16(15-12-10-14(2)11-13-15)18-19-20(6,7)17(3,4)5/h10-13
InchiKey: DHSPVHZWFXASQO-UHFFFAOYSA-N
Formula: C17H29NOSi
SMILES: CCCC(=NO[Si](C)(C)C(C)(C)C)c1ccc(C)cc1
Mol. weight [g/mol]: 291.50

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.49		Crippen Method
logp	5.521		Crippen Method
rinpol	1774.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U373315&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/44-271-2/E-1-4-Methylphenyl-butan-1-one-O-tert-butyldimethylsilyl-oxime.pdf>

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