

trans-2-Dodecen-1-ol, tert-butyldimethylsilyl ether

Other names: tert-Butyl[(2E)-dodec-2-en-1-yloxy]dimethylsilane

2-Dodecen-1-ol, (e)-, tbdms derivative

Inchi: InChI=1S/C18H38OSi/c1-7-8-9-10-11-12-13-14-15-16-17-19-20(5,6)18(2,3)4/h15-16H,7-

InchiKey: RYCAUUNFSWKJNY-FOCLMDBBSA-N

Formula: C18H38OSi

SMILES: CCCCCCCCC=CCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 298.58

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.35		Crippen Method
logp	6.705		Crippen Method
rinpol	1805.50		NIST Webbook

Sources

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

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U333019&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/52-219-1/trans-2-Dodecen-1-ol-tert-butyldimethylsilyl-ether.pdf>

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