

D,L-Alanine, N-(tert-butyldimethylsilyl)-N-methyl-, tert-butyldimethylsilyl ester

Other names: N-Methyl-Ala-TBDMS
N-methylalanine, 2-tert-butyl-2-methylpropane derivative

Inchi: InChI=1S/C16H37NO2Si2/c1-13(17(8)20(9,10)15(2,3)4)14(18)19-21(11,12)16(5,6)7/h13-16
InchiKey: AJFFOLODQLEWQP-UHFFFAOYSA-N
Formula: C16H37NO2Si2
SMILES: CC(C(=O)O[Si](C)(C)C(C)(C)C)N(C)[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 331.64

Physical Properties

| Property code | Value | Unit | Source |
|---------------|-------|------|----------------|
| log10ws | -0.17 | | Crippen Method |
| logp | 4.860 | | Crippen Method |

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U221669&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

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<https://www.chemeo.com/cid/115-454-0/D-L-Alanine-N-tert-butyldimethylsilyl-N-methyl-tert-butyldimethylsilyl-ester.pdf>

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