

D-2-Aminobutyric acid, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names: tert-Butyl(dimethyl)silyl
2-(tert-butyl(dimethyl)silyloxy)aminomorphobutanoate
D-2-aminobutyric acid, 2tbdms derivative

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

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.79		Crippen Method
logp	4.908		Crippen Method
rinpol	1594.30		NIST Webbook
rinpol	1600.00		NIST Webbook
rinpol	1594.30		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U333786&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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