l-Valine, tert-butyldimethylsilyl ester

Other names: L-valine, tbdms derivative
Inchi: InChI=1S/C11H25NO2Si/c1-8(2)9(12)10(13)14-15(6,7)11(3,4)5/h8-9H,12H2,1-7H3
InchiKey: YYUGIDUTLGWZRP-UHFFFAOYSA-N
Formula: C11H25NO2Si
SMILES: CC(C)C(N)C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 231.41

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.64		Crippen Method
logp	2.518		Crippen Method
rinpol	1304.30		NIST Webbook
rinpol	1304.30		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U333277&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices