

Butanoic acid, 2-[(trimethylsilyl)amino]-, trimethylsilyl ester

Other names:	N,O-Bis-(trimethylsilyl)-2-aminobutyric acid 2-Aminobutyric acid, bis-TMS A-Aminobutyric acid, TMS 2-Aminobutanoic acid, 2tms derivative
Inchi:	InChI=1S/C10H25NO2Si2/c1-8-9(11-14(2,3)4)10(12)13-15(5,6)7/h9,11H,8H2,1-7H3
InchiKey:	DPYJWAAWQSORGK-UHFFFAOYSA-N
Formula:	C10H25NO2Si2
SMILES:	CCC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	247.48
CAS:	55133-91-0

Physical Properties

Property code	Value	Unit	Source
log10ws	1.73		Crippen Method
logp	2.568		Crippen Method
rinpol	1177.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1177.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55133910&Units=SI

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.cheméo.com/cid/124-413-5/Butanoic-acid-2-trimethylsilyl-amino-trimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-29 17:45:32.867419268 +0000 UTC m=+16701981.787996582.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.