

# L-2-Aminobutyric acid, trimethylsilyl ester

**Other names:** Trimethylsilyl (2R)-2-aminobutanoate  
L-2-aminobutyric acid, tms derivative

**Inchi:** InChI=1S/C7H17NO2Si/c1-5-6(8)7(9)10-11(2,3)4/h6H,5,8H2,1-4H3

**InchiKey:** DPRFUZUDPNMXIO-UHFFFAOYSA-N

**Formula:** C7H17NO2Si

**SMILES:** CCC(N)C(=O)O[Si](C)(C)C

**Mol. weight [g/mol]:** 175.30

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.79		Crippen Method
logp	1.102		Crippen Method
rinpol	1031.50		NIST Webbook
rinpol	1025.00		NIST Webbook
rinpol	1047.00		NIST Webbook
rinpol	1031.50		NIST Webbook
rinpol	1047.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U332990&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/116-175-9/l-2-Aminobutyric-acid-trimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-28 16:28:37.878433735 +0000 UTC m=+16610966.799011045.

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