

# Nonanoic acid, trimethylsilyl ester

**Other names:** Nonanoic acid, TMS ester  
Nonanoic acid, tms derivative

**Inchi:** InChI=1S/C12H26O2Si/c1-5-6-7-8-9-10-11-12(13)14-15(2,3)4/h5-11H2,1-4H3

**InchiKey:** ISTGUORKGWWKMI-UHFFFAOYSA-N

**Formula:** C12H26O2Si

**SMILES:** CCCCCCCCC(=O)O[Si](C)(C)C

**Mol. weight [g/mol]:** 230.42

**CAS:** 82326-11-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.76		Crippen Method
logp	4.115		Crippen Method
rinpol	1355.00		NIST Webbook
rinpol	1354.80		NIST Webbook
rinpol	1358.00		NIST Webbook
rinpol	1355.00		NIST Webbook
rinpol	1355.00		NIST Webbook
rinpol	1369.00		NIST Webbook
rinpol	1355.00		NIST Webbook
rinpol	1354.80		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=C82326112&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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