

Acetic acid, [(trimethylsilyl)oxy]-, trimethylsilyl ester

Other names:	Acetic acid, (trimethylsiloxy)-, trimethylsilyl ester
	Trimethylsilyl (trimethylsilyloxy)acetate
	Trimethylsilyl trimethylsiloxyacetate
	Glycolic acid, bis-TMS
	Glycolic acid, di-TMS
	Glycolic acid, (2TMS)
	Glycolic acid, trimethylsilyl ether, trimethylsilyl ester
	Glycolic acid, TMS
	Glycolic acid, 2tms derivative
Inchi:	InChI=1S/C8H20O3Si2/c1-12(2,3)10-7-8(9)11-13(4,5)6/h7H2,1-6H3
InchiKey:	MAEQOWMWOCExKP-UHFFFAOYSA-N
Formula:	C8H20O3Si2
SMILES:	C[Si](C)(C)OCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	220.41
CAS:	33581-77-0

Physical Properties

Property code	Value	Unit	Source
log10ws	2.78		Crippen Method
logp	2.216		Crippen Method
rinpol	1078.00		NIST Webbook
rinpol	1077.00		NIST Webbook
rinpol	1077.00		NIST Webbook
rinpol	1080.00		NIST Webbook
rinpol	1070.00		NIST Webbook
rinpol	1081.00		NIST Webbook
rinpol	1070.00		NIST Webbook
rinpol	1072.00		NIST Webbook
rinpol	1070.50		NIST Webbook
rinpol	1072.00		NIST Webbook
rinpol	1073.00		NIST Webbook
rinpol	1070.00		NIST Webbook
rinpol	1083.00		NIST Webbook
rinpol	1085.00		NIST Webbook
rinpol	1080.00		NIST Webbook
rinpol	1080.00		NIST Webbook
rinpol	1045.00		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=C33581770&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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<https://www.chemeo.com/cid/12-632-6/Acetic-acid-trimethylsilyl-oxy-trimethylsilyl-ester.pdf>

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