

Trimethylsilyl trifluoroacetate

Other names:	Acetic acid, trifluoro-, trimethylsilyl ester Trifluoroacetic acid, trimethylsilyl ester
Inchi:	InChI=1S/C5H9F3O2Si/c1-11(2,3)10-4(9)5(6,7)8/h1-3H3
InchiKey:	VIYXXANHGYSBLY-UHFFFAOYSA-N
Formula:	C5H9F3O2Si
SMILES:	C[Si](C)(C)OC(=O)C(F)(F)F
Mol. weight [g/mol]:	186.20
CAS:	400-53-3

Physical Properties

Property code	Value	Unit	Source
log10ws	0.51		Crippen Method
logp	1.927		Crippen Method
rinpol	674.00		NIST Webbook
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Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C400533&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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.chemeo.com/cid/88-035-6/Trimethylsilyl-trifluoroacetate.pdf>

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