

Trifluoromethyltrimethylsilane

Other names:	Silane, trimethyl(trifluoromethyl)- Silane, trifluoromethyl, trimethyl
Inchi:	InChI=1S/C4H9F3Si/c1-8(2,3)4(5,6)7/h1-3H3
InchiKey:	MWKJTNBSKNUMFN-UHFFFAOYSA-N
Formula:	C4H9F3Si
SMILES:	C[Si](C)(C)C(F)(F)F
Mol. weight [g/mol]:	142.19
CAS:	81290-20-2

Physical Properties

Property code	Value	Unit	Source
log10ws	0.28		Crippen Method
logp	2.426		Crippen Method
rinpol	532.00		NIST Webbook
rinpol	532.00		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=C81290202&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.chemeo.com/cid/80-752-8/Trifluoromethyltrimethylsilane.pdf>

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