

Trimethoxy silane

Other names:	Silanem trimethoxy
Inchi:	InChI=1S/C3H10O3Si/c1-4-7(5-2)6-3/h7H,1-3H3
InchiKey:	YUYCVXFAYWRXLS-UHFFFAOYSA-N
Formula:	C3H10O3Si
SMILES:	CO[SiH](OC)OC
Mol. weight [g/mol]:	122.20
CAS:	2487-90-3

Physical Properties

Property code	Value	Unit	Source
log10ws	2.66		Crippen Method
logp	-0.357		Crippen Method
rinpol	650.00		NIST Webbook
tf	158.35 ± 0.30	K	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=C2487903&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tf:	Normal melting (fusion) point

Latest version available from:

<https://www.chemeo.com/cid/10-710-1/Trimethoxy-silane.pdf>

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