

Methyltriacetoxysilane

Other names:	Triacetoxymethylsilane Silanetriol, methyl-, triacetate Methylsilanetriol triacetate Methyltrihydroxysilane triacetate Silane, methyltriacetoxo- CM8980 methylsilanetriyl triacetate
Inchi:	InChI=1S/C7H12O6Si/c1-5(8)11-14(4,12-6(2)9)13-7(3)10/h1-4H3
InchiKey:	TVJPBVNWVPUZBM-UHFFFAOYSA-N
Formula:	C7H12O6Si
SMILES:	CC(=O)O[Si](C)(OC(C)=O)OC(C)=O
Mol. weight [g/mol]:	220.25
CAS:	4253-34-3

Physical Properties

Property code	Value	Unit	Source
log10ws	1.44		Crippen Method
logp	0.244		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	360.50 ± 0.50	K	0.40	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=C4253343&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tbrp:	Boiling point at reduced pressure

Latest version available from:

<https://www.cheméo.com/cid/42-723-2/Methyltriacetoxysilane.pdf>

Generated by Cheméo on 2024-04-25 05:31:21.703555354 +0000 UTC m=+16312330.624132670.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.