

Silanediol, dimethyl-, diacetate

Other names:	Dimethyldiacetoxysilane Diacetoxymethylsilane Dimethylsilanediol, diacetate
Inchi:	InChI=1S/C6H12O4Si/c1-5(7)9-11(3,4)10-6(2)8/h1-4H3
InchiKey:	RQVFGTYFBUVGOP-UHFFFAOYSA-N
Formula:	C6H12O4Si
SMILES:	CC(=O)O[Si](C)(C)OC(C)=O
Mol. weight [g/mol]:	176.24
CAS:	2182-66-3

Physical Properties

Property code	Value	Unit	Source
log10ws	1.31		Crippen Method
logp	0.814		Crippen Method
tb	437.00	K	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2182663&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature

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<https://www.cheméo.com/cid/44-879-8/Silanediol-dimethyl-diacetate.pdf>

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