

# Glyoxylic acid, tert-butyldimethylsilyl ester

<b>Other names:</b>	Glyoxylic acid, tbdms derivative
<b>Inchi:</b>	InChI=1S/C8H16O3Si/c1-8(2,3)12(4,5)11-7(10)6-9/h6H,1-5H3
<b>InchiKey:</b>	VHBSORLNBSCSQX-UHFFFAOYSA-N
<b>Formula:</b>	C8H16O3Si
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)OC(=O)C=O
<b>Mol. weight [g/mol]:</b>	188.30

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.64		Crippen Method
logp	1.734		Crippen Method
rinpol	1011.60		NIST Webbook
rinpol	1011.60		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U333864&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333864&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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<https://www.chemeo.com/cid/34-430-6/Glyoxylic-acid-tert-butyldimethylsilyl-ester.pdf>

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