

# Trimethylsilyl bromoacetate

<b>Other names:</b>	Acetic acid, bromo-, trimethylsilyl ester
<b>Inchi:</b>	InChI=1S/C5H11BrO2Si/c1-9(2,3)8-5(7)4-6/h4H2,1-3H3
<b>InchiKey:</b>	ZCHHFMWUDHXPFN-UHFFFAOYSA-N
<b>Formula:</b>	C5H11BrO2Si
<b>SMILES:</b>	C[Si](C)(C)OC(=O)CBr
<b>Mol. weight [g/mol]:</b>	211.13
<b>CAS:</b>	18291-80-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.74		Crippen Method
logp	1.759		Crippen Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	333.50 ± 0.50	K	1.30	NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C18291800&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18291800&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

**tbrp:** Boiling point at reduced pressure

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