

# Bromotrimethylsilane

<b>Other names:</b>	Trimethylsilyl bromide (CH <sub>3</sub> ) <sub>3</sub> SiBr Trimethylbromosilane Silane, bromotrimethyl- Trimethylsilicon bromide CT2928
<b>Inchi:</b>	InChI=1S/C3H9BrSi/c1-5(2,3)4/h1-3H3
<b>InchiKey:</b>	IYYIVELXUANFED-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>3</sub> H <sub>9</sub> BrSi
<b>SMILES:</b>	C[Si](C)(C)Br
<b>Mol. weight [g/mol]:</b>	153.09
<b>CAS:</b>	2857-97-8

## Physical Properties

Property code	Value	Unit	Source
ie	10.23	eV	NIST Webbook
ie	10.00	eV	NIST Webbook
ie	9.80 ± 0.10	eV	NIST Webbook
ie	10.24 ± 0.02	eV	NIST Webbook
log10ws	0.44		Crippen Method
logp	2.216		Crippen Method
rinpol	641.00		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=C2857978&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2857978&amp;Units=SI</a>

## Legend

**ie:** Ionization energy  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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