

# 2-Bromo-3-tert-butyl dimethylsilyloxy-2-nitropropane

<b>Other names:</b>	2-Bromo-2-nitro-propane-1,3-diol, tert-Butyldimethylsilyl ether
<b>Inchi:</b>	InChI=1S/C9H20BrNO4Si/c1-8(2,3)16(4,5)15-7-9(10,6-12)11(13)14/h12H,6-7H2,1-5H3
<b>InchiKey:</b>	OEBJVRRZYRASDU-UHFFFAOYSA-N
<b>Formula:</b>	C9H20BrNO4Si
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)OCC(Br)(CO)[N+](=O)[O-]
<b>Mol. weight [g/mol]:</b>	314.25

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.11		Crippen Method
logp	2.368		Crippen Method
rinpol	1584.00		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=U373256&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U373256&amp;Units=SI</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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