

trans-1,2-Bis(trimethylsilyl)ethylene

Other names:	Silane, 1,2-ethenediylbis[trimethyl]-,(E)- Trimethyl[(E)-2-(trimethylsilyl)ethenyl]silane 1,2-bis-Trimethylsilylethylene, (trans) Bis-trimethylsilylethylene (trans)
Inchi:	InChI=1S/C8H20Si2/c1-9(2,3)7-8-10(4,5)6/h7-8H,1-6H3/b8-7+
InchiKey:	AMGXUPKZBCKPF-BQYQJAHWSA-N
Formula:	C8H20Si2
SMILES:	C[Si](C)(C)C=C[Si](C)(C)C
Mol. weight [g/mol]:	172.42
CAS:	18178-59-1

Physical Properties

Property code	Value	Unit	Source
ie	9.32 ± 0.04	eV	NIST Webbook
ie	9.19	eV	NIST Webbook
log10ws	1.86		Crippen Method
logp	3.297		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18178591&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

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