

1,4-Bis(trimethylsilyl)-1,3-butadiyne

Other names:	1,4-Bis(trimethylsilyl)butadiyne
Inchi:	InChI=1S/C10H18Si2/c1-11(2,3)9-7-8-10-12(4,5)6/h1-6H3
InchiKey:	LBNVCJHJRYJVPK-UHFFFAOYSA-N
Formula:	C10H18Si2
SMILES:	C[Si](C)(C)C#CC#C[Si](C)(C)C
Mol. weight [g/mol]:	194.42
CAS:	4526-07-2

Physical Properties

Property code	Value	Unit	Source
ie	9.23 ± 0.04	eV	NIST Webbook
ie	8.85	eV	NIST Webbook
log10ws	1.29		Crippen Method
logp	2.748		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4526072&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/10-449-2/1-4-Bis-trimethylsilyl-1-3-butadiyne.pdf>

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