

1-(Trimethylsilyl)-1-propyne

Other names:	1-(Trimethylsilyl)propyne Silane, trimethyl-1-propynyl- 1-(Trimethylsilyl)prop-1-yne 1-Propynyltrimethylsilane
Inchi:	InChI=1S/C6H12Si/c1-5-6-7(2,3)4/h1-4H3
InchiKey:	DCGLONGLPGISNX-UHFFFAOYSA-N
Formula:	C6H12Si
SMILES:	CC#C[Si](C)(C)C
Mol. weight [g/mol]:	112.25
CAS:	6224-91-5

Physical Properties

Property code	Value	Unit	Source
log10ws	0.32		Crippen Method
logp	1.887		Crippen Method
rinpol	702.00		NIST Webbook
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tb	372.50 ± 0.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	10.96	kJ/mol	204.50	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6224915&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hfust:	Enthalpy of fusion at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature

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