

1-Trimethylsilylmethanol

Other names:	1-Trimethylsilylmethanol Methanol, (trimethylsilyl)- Silane, (hydroxymethyl)trimethyl-
Inchi:	InChI=1S/C4H12OSi/c1-6(2,3)4-5/h5H,4H2,1-3H3
InchiKey:	ZQKNBDOVPOZPLY-UHFFFAOYSA-N
Formula:	C4H12OSi
SMILES:	C[Si](C)(C)CO
Mol. weight [g/mol]:	104.22

Physical Properties

Property code	Value	Unit	Source
ie	9.83	eV	Cheméo Relay (1.0)
logp	0.856		Crippen Method
pc	3367.05	kPa	Cheméo Relay (1.0, beta)
tc	560.44	K	Cheméo Relay (1.0)
vc	0.360	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3219634&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

ie:	Ionization energy
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
tc:	Critical Temperature

vc: Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/80-782-5/1-Trimethylsilylmethanol.pdf>

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