

1h-Imidazole, 1-(trimethylsilyl)-

Other names:	Imidazole, 1-(trimethylsilyl)- (Trimethylsilyl)imidazole N-(Trimethylsilyl)imidazol N-(Trimethylsilyl)imidazole TSIM 1-(Trimethylsilyl)-1H-Imidazole 1-(Trimethylsilyl)imidazole 1-(Trimethylsilyl)imidazole Imidazole, N-(trimethylsilyl)- 1-Imidazolyltrimethylsilane Trimethylimidazosilane CT3600 NSC 139860
Inchi:	InChI=1S/C6H12N2Si/c1-9(2,3)8-5-4-7-6-8/h4-6H,1-3H3
InchiKey:	YKFRUJSEPGHZFJ-UHFFFAOYSA-N
Formula:	C6H12N2Si
SMILES:	C[Si](C)(C)n1ccnc1
Mol. weight [g/mol]:	140.26

Physical Properties

Property code	Value	Unit	Source
hvap	58.93	kJ/mol	Cheméo Relay (1.0)
ie	9.17	eV	Cheméo Relay (1.0)
logp	1.566		Crippen Method
rinpol	1176.00		NIST Webbook
tb	499.12	K	Cheméo Relay (1.0)

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	368.00	K	2.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18156746&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

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure

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<https://www.chemeo.com/cid/32-852-0/1h-Imidazole-1-trimethylsilyl.pdf>

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