

N,N-Diethylaminotrimethylsilane

Other names:	N,N-Diethylaminotrimethylsilane (CH ₃) ₃ SiN(C ₂ H ₅) ₂ N-Trimethylsilyldiethylamine N,N-Diethyl-trimethylsilylamine Trimethyl-N,N-diethylaminosilane Diethylaminotrimethylsilane Silanamine, N,N-diethyl-1,1,1-trimethyl- CD4450 TMSDEA Trimethylsilyldiethylamine Trimethylsilyl-diethylamin NSC 377650
Inchi:	InChI=1S/C7H19NSi/c1-6-8(7-2)9(3,4)5/h6-7H2,1-5H3
InchiKey:	JOOMLFKONHCLCJ-UHFFFAOYSA-N
Formula:	C ₇ H ₁₉ NSi
SMILES:	CCN(CC)[Si](C)(C)C
Mol. weight [g/mol]:	145.32

Physical Properties

Property code	Value	Unit	Source
hvap	37.32	kJ/mol	Cheméo Relay (1.0)
ie	7.99	eV	Cheméo Relay (1.0)
logp	2.163		Crippen Method
tb	398.69	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C996509&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):

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
i_e:	Ionization energy
log_p:	Octanol/Water partition coefficient
t_b:	Normal Boiling Point Temperature

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