

(Ch3)3cch2N(ch3)2

Other names:	N,N-Dimethyl neopentylamine Dimethyl(neopentyl)amine
Inchi:	InChI=1S/C7H17N/c1-7(2,3)6-8(4)5/h6H2,1-5H3
InchiKey:	FUIRUFXAVIHAQB-UHFFFAOYSA-N
Formula:	C7H17N
SMILES:	CN(C)CC(C)(C)C
Mol. weight [g/mol]:	115.22

Physical Properties

Property code	Value	Unit	Source
affp	970.50	kJ/mol	NIST Webbook
basg	939.50	kJ/mol	NIST Webbook
hfus	9.49	kJ/mol	Joback Method
ie	7.98	eV	Cheméo Relay (1.0)
logp	1.594		Crippen Method
mcvol	119.470	ml/mol	McGowan Method
tb	366.04	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	221.99	J/mol×K	368.77	Joback Method
cpg	236.63	J/mol×K	397.66	Joback Method
cpg	250.57	J/mol×K	426.54	Joback Method
cpg	263.82	J/mol×K	455.43	Joback Method
cpg	276.41	J/mol×K	484.32	Joback Method
cpg	288.38	J/mol×K	513.20	Joback Method
cpg	299.74	J/mol×K	542.09	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
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):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10076310&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature

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