Pyrrolidine, 2,5-dimethyl-

Other names: Pyrrolidine, 2,5-dimethyl-
Inchi: InChI=1S/C6H13N/c1-5-3-4-6(2)7-5/h5-7H,3-4H2,1-2H3
InchiKey: ZEBFPAXSQXIPNF-UHFFFAOYSA-N
Formula: C6H13N
SMILES: CC1CCC(C)N1
Mol. weight [g/mol]: 99.18

Physical Properties

Property code	Value	Unit	Source
hf	-88.81	kJ/mol	Cheméo Relay (1.0)
hfus	15.89	kJ/mol	Joback Method
hvap	36.51	kJ/mol	Cheméo Relay (1.0)
ie	7.84	eV	Cheméo Relay (1.0)
logp	1.147		Crippen Method
mcvol	94.520	ml/mol	McGowan Method
rinpol	756.00		NIST Webbook
rinpol	756.00		NIST Webbook
rinpol	756.00		NIST Webbook
tb	378.22	K	Cheméo Relay (1.0)
tc	575.43	K	Cheméo Relay (1.0)
tf	233.44	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	176.49	J/mol×K	395.84	Joback Method
cpg	191.02	J/mol×K	429.94	Joback Method
cpg	204.93	J/mol×K	464.03	Joback Method
cpg	218.24	J/mol×K	498.13	Joback Method
cpg	230.95	J/mol×K	532.22	Joback Method
cpg	243.08	J/mol×K	566.32	Joback Method
cpg	254.63	J/mol×K	600.42	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3378710&Units=SI
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):	

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point