3,3,6,9,9-pentamethyl-2,10-diazabicyclo[4.4.0]dec-

Other names: 1,2,3,4,4a,5,6,7-octahydro-2,2,4a,7,7-pentamethyl-1,8-naphthyridine
1,8-Naphthyridine, 1,2,3,4,4a,5,6,7-octahydro-2,2,4a,7,7-pentamethyl-
2,2,4a,7,7-Pentamethyl-1,2,3,4,4a,5,6,7-octahydro[1,8]naphthyridine
Inchi: InChI=1S/C13H24N2/c1-11(2)6-8-13(5)9-7-12(3,4)15-10(13)14-11/h6-9H2,1-5H3,(H,14,1
InchiKey: OEOPGVPCZRQSMQ-UHFFFAOYSA-N
Formula: C13H24N2
SMILES: CC1(C)CCC2(C)CCC(C)(C)NC2=N1
Mol. weight [g/mol]: 208.35

Physical Properties

Property code	Value	Unit	Source
affp	1039.30	kJ/mol	NIST Webbook
basg	1006.90	kJ/mol	NIST Webbook
hfus	15.03	kJ/mol	Joback Method
logp	3.126		Crippen Method
mcvol	187.970	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	537.72	J/mol×K	629.84	Joback Method
cpg	560.87	J/mol×K	672.28	Joback Method
cpg	582.93	J/mol×K	714.73	Joback Method
cpg	604.36	J/mol×K	757.17	Joback Method
cpg	625.59	J/mol×K	799.61	Joback Method
cpg	647.08	J/mol×K	842.05	Joback Method
cpg	669.27	J/mol×K	884.50	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=C69340585&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume