Aniline, n,2-dicyclohexyl-4-methyl-

Inchi: InChI=1S/C19H29N/c1-15-12-13-19(20-17-10-6-3-7-11-17)18(14-15)16-8-4-2-5-9-16/h12
InchiKey: XVGGVVJOFYICSW-UHFFFAOYSA-N
Formula: C19H29N
SMILES: Cc1ccc(NC2CCCCC2)c(C2CCCCC2)c1
Mol. weight [g/mol]: 271.44

Physical Properties

Property code	Value	Unit	Source
gf	340.54	kJ/mol	Joback Method
hf	-59.79	kJ/mol	Joback Method
hfus	27.00	kJ/mol	Joback Method
hvap	68.78	kJ/mol	Joback Method
log10ws	-6.39		Crippen Method
logp	5.787		Crippen Method
mcvol	243.070	ml/mol	McGowan Method
pc	1861.11	kPa	Joback Method
tb	760.03	K	Joback Method
tc	1005.60	K	Joback Method
tf	422.77	K	Joback Method
vc	0.892	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	766.94	J/mol×K	760.03	Joback Method
cpg	791.07	J/mol×K	800.96	Joback Method
cpg	813.23	J/mol×K	841.89	Joback Method
cpg	833.51	J/mol×K	882.82	Joback Method
cpg	852.00	J/mol×K	923.74	Joback Method
cpg	868.79	J/mol×K	964.67	Joback Method
cpg	883.98	J/mol×K	1005.60	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=B6008501&Units=SI

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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