

Aniline, 2,4-di-sec-butyl-

Inchi:	InChI=1S/C14H23N/c1-5-10(3)12-7-8-14(15)13(9-12)11(4)6-2/h7-11H,5-6,15H2,1-4H3
InchiKey:	FSSAUWXQVAXTKJ-UHFFFAOYSA-N
Formula:	C14H23N
SMILES:	CCC(C)c1ccc(N)c(C(C)CC)c1
Mol. weight [g/mol]:	205.34

Physical Properties

Property code	Value	Unit	Source
gf	221.72	kJ/mol	Joback Method
hf	-95.47	kJ/mol	Joback Method
hfus	23.43	kJ/mol	Joback Method
hvap	60.22	kJ/mol	Joback Method
log10ws	-4.31		Crippen Method
logp	4.296		Crippen Method
mcvol	194.340	ml/mol	McGowan Method
pc	2088.84	kPa	Joback Method
tb	628.01	K	Joback Method
tc	840.41	K	Joback Method
tf	352.26	K	Joback Method
vc	0.729	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	512.57	J/molxK	628.01	Joback Method
cpg	530.34	J/molxK	663.41	Joback Method
cpg	547.10	J/molxK	698.81	Joback Method
cpg	562.88	J/molxK	734.21	Joback Method
cpg	577.72	J/molxK	769.61	Joback Method
cpg	591.67	J/molxK	805.01	Joback Method
cpg	604.75	J/molxK	840.41	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=B6009273&Units=SI
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

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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