P-sec-amylaniline

Inchi:	InChI=1S/C11H17N/c1-3-4-9(2)10-5-7-11(12)8-6-10/h5-9H,3-4,12H2,1-2H3
InchiKey:	AKSSDFIINGVZJQ-UHFFFAOYSA-N
Formula:	C11H17N
SMILES:	CCCC(C)c1ccc(N)cc1
Mol. weight [g/mol]:	163.26
CAS:	30273-14-4

Physical Properties

Property code	Value	Unit	Source
gf	208.53	kJ/mol	Joback Method
hf	-16.80	kJ/mol	Joback Method
hfus	19.57	kJ/mol	Joback Method
hvap	53.27	kJ/mol	Joback Method
log10ws	-3.13		Crippen Method
logp	3.172		Crippen Method
mcvol	152.070	ml/mol	McGowan Method
pc	2790.61	kPa	Joback Method
tb	554.83	K	Joback Method
tc	772.79	K	Joback Method
tf	320.93	K	Joback Method
vc	0.567	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	362.99	J/mol×K	554.83	Joback Method
cpg	378.84	J/mol×K	591.16	Joback Method
cpg	393.76	J/mol×K	627.48	Joback Method
cpg	407.78	J/mol×K	663.81	Joback Method
cpg	420.95	J/mol×K	700.14	Joback Method
cpg	433.29	J/mol×K	736.46	Joback Method
cpg	444.85	J/mol×K	772.79	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=C30273144&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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