Phenol, 3-(ethylamino)-4-methyl-

Other names:	3-Ethylamino-4-methylphenol
	4-Methyl-3-(N-ethylamino)-phenol
	3-(ethylamino)-p-cresol
Inchi:	InChI=1S/C9H13NO/c1-3-10-9-6-8(11)5-4-7(9)2/h4-6,10-11H,3H2,1-2H3
InchiKey:	CTGSQPRDMHCIMM-UHFFFAOYSA-N
Formula:	C9H13NO
SMILES:	CCNc1cc(O)ccc1C
Mol. weight [g/mol]:	151.21
CAS:	120-37-6

Physical Properties

Property code	Value	Unit	Source
gf	62.45	kJ/mol	Joback Method
hf	-127.87	kJ/mol	Joback Method
hfus	23.60	kJ/mol	Joback Method
hvap	58.02	kJ/mol	Joback Method
log10ws	-1.92		Crippen Method
logp	2.132		Crippen Method
mcvol	129.760	ml/mol	McGowan Method
pc	3886.79	kPa	Joback Method
tb	567.77	K	Joback Method
tc	790.81	K	Joback Method
tf	394.51	K	Joback Method
vc	0.432	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	312.09	J/mol×K	567.77	Joback Method
cpg	324.62	J/mol×K	604.94	Joback Method
cpg	336.33	J/mol×K	642.12	Joback Method
cpg	347.28	J/mol×K	679.29	Joback Method
cpg	357.55	J/mol×K	716.46	Joback Method
cpg	367.22	J/mol×K	753.64	Joback Method

cpg	376.36	J/mol×K	790.81	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C120376&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

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