Ethanol, 2-[ethyl(3-methylphenyl)amino]-

Other names:	Ethanol, 2-(N-ethyl-m-toluidino)-
	2-(N-Ethyl-m-toluidino)ethanol
	2-(N-Ethyl-meta-toluidino)-ethanol
	N-Hydroxyethyl-N-ethyl-m-toluidine
	3-Methyl-N-ethyl-N-«beta»-hydroxyethylaniline
	N-Ethyl-N-(2-hydroxyethyl)-m-toluidine
	N-(«beta»-Hydroxyethyl)-N-ethyl-m-toluidine
	N-Ethyl-N-hydroxyethyl-meta-toluidine
	Emery 5714
	NSC 89746
	2-(N-Ethyl-N-toluidino)ethanol
Inchi:	InChI=1S/C11H17NO/c1-3-12(7-8-13)11-6-4-5-10(2)9-11/h4-6,9,13H,3,7-8H2,1-2H3
InchiKey:	KRNUKKZDGDAWBF-UHFFFAOYSA-N
Formula:	C11H17NO
SMILES:	CCN(CCO)c1cccc(C)c1
Mol. weight [g/mol]:	179.26
CAS:	91-88-3

Physical Properties

Property code	Value	Unit	Source
gf	118.48	kJ/mol	Joback Method
hf	-130.01	kJ/mol	Joback Method
hfus	25.01	kJ/mol	Joback Method
hvap	61.74	kJ/mol	Joback Method
log10ws	-1.96		Crippen Method
logp	1.814		Crippen Method
mcvol	157.940	ml/mol	McGowan Method
pc	2865.80	kPa	Joback Method
rinpol	1546.20		NIST Webbook
tb	587.36	K	Joback Method
tc	776.23	K	Joback Method
tf	345.96	K	Joback Method
vc	0.581	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	394.12	J/mol×K	587.36	Joback Method
cpg	407.62	J/mol×K	618.84	Joback Method
cpg	420.38	J/mol×K	650.32	Joback Method
cpg	432.45	J/mol×K	681.79	Joback Method
cpg	443.83	J/mol×K	713.27	Joback Method
cpg	454.58	J/mol×K	744.75	Joback Method
cpg	464.72	J/mol×K	776.23	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	387.70	K	0.10	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C91883&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume