Ethanol, 2-(ethylphenylamino)-

Other names:	Ethanol, 2-(N-ethylanilino)-
	«beta»-(Ethylanilino)ethyl alcohol
	Ethyl(«beta»-hydroxyethyl)aniline
	Ethylphenylethanolamine
	Hydroxyethylethylaniline
	N-(2-Hydroxyethyl)-N-ethylaniline
	N-Ethyl(«beta»-hydroxyethyl)aniline
	N-Ethyl-N-(«beta»-hydroxyethyl)aniline
	N-Ethyl-N-(hydroxyethyl)aniline
	N-Ethyl-N-(2-hydroxyethyl)aniline
	N-Ethyl-N-phenylaminoethanol
	N-Ethyl-N-phenylethanolamine
	N-Ethylanilinoethanol
	Phenylethylethanolamine
	2-(Ethylphenylamino)ethanol
	2-(N-Ethyl-N-phenylamino)ethanol
	2-(N-Ethylanilino)ethanol
	N-Phenyl-N-ethylethanolamine
	N-Phenyl-N-ethyl-2-aminoethanol
	NSC 7485
Inchi:	InChI=1S/C10H15NO/c1-2-11(8-9-12)10-6-4-3-5-7-10/h3-7,12H,2,8-9H2,1H3
InchiKey:	HYVGFUIWHXLVNV-UHFFFAOYSA-N
Formula:	C10H15NO
SMILES:	CCN(CCO)c1ccccc1
Mol. weight [g/mol]:	165.23
CAS:	92-50-2

Physical Properties

Property code	Value	Unit	Source
gf	119.69	kJ/mol	Joback Method
hf	-97.90	kJ/mol	Joback Method
hfus	22.81	kJ/mol	Joback Method
hvap	58.85	kJ/mol	Joback Method
log10ws	-1.48		Crippen Method
logp	1.505		Crippen Method
mcvol	143.850	ml/mol	McGowan Method
pc	3239.34	kPa	Joback Method

rinpol	1416.70		NIST Webbook
tb	559.50	K	Joback Method
tc	749.63	K	Joback Method
tf	322.17	K	Joback Method
vc	0.524	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	346.59	J/mol×K	559.50	Joback Method
cpg	359.68	J/mol×K	591.19	Joback Method
cpg	372.02	J/mol×K	622.88	Joback Method
cpg	383.64	J/mol×K	654.56	Joback Method
cpg	394.58	J/mol×K	686.25	Joback Method
cpg	404.87	J/mol×K	717.94	Joback Method
cpg	414.55	J/mol×K	749.63	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	424.00	K	1.90	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C92502&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