N-Ethylamphetamine

Other names:	Benzeneethanamine, N-ethyl-«alpha»-methyl- Phenethylamine, N-ethyl-«alpha»-methyl- Apetinil Ethylamphetamine N-Ethyl-«alpha»-methylphenethylamine N-Ethyl-«omega»-phenylisopropylamine 2-Ethylamino-1-phenylpropane 1-Phenyl-2-aethylamino-propan «alpha»-Phenyl-«beta»-ethylaminopropane 1-Phenyl-2-ethylaminopropane Etilamfetamine
Inchi:	InChI=1S/C11H17N/c1-3-12-10(2)9-11-7-5-4-6-8-11/h4-8,10,12H,3,9H2,1-2H3
InchiKey:	YAGBSNMZQKEFCO-UHFFFAOYSA-N
Formula:	C11H17N
SMILES:	CCNC(C)Cc1ccccc1
Mol. weight [g/mol]:	163.26
CAS:	457-87-4

Physical Properties

Property code	Value	Unit	Source
gf	241.10	kJ/mol	Joback Method
hf	14.35	kJ/mol	Joback Method
hfus	19.86	kJ/mol	Joback Method
hvap	48.40	kJ/mol	Joback Method
log10ws	-2.83		Crippen Method
logp	2.227		Crippen Method
mcvol	152.070	ml/mol	McGowan Method
pc	2707.03	kPa	Joback Method
rinpol	1242.80		NIST Webbook
rinpol	1236.00		NIST Webbook
rinpol	1250.00		NIST Webbook
rinpol	1232.00		NIST Webbook
rinpol	1233.00		NIST Webbook
rinpol	1233.00		NIST Webbook
rinpol	1241.00		NIST Webbook
rinpol	1232.00		NIST Webbook
rinpol	1228.00		NIST Webbook

rinpol	1228.00		NIST Webbook
rinpol	1242.80		NIST Webbook
ripol	1623.00		NIST Webbook
ripol	1623.00		NIST Webbook
ripol	1629.00		NIST Webbook
ripol	1634.00		NIST Webbook
tb	527.49	K	Joback Method
tc	735.29	K	Joback Method
tf	277.81	K	Joback Method
vc	0.573	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	350.84	J/mol×K	527.49	Joback Method
cpg	367.24	J/mol×K	562.12	Joback Method
cpg	382.70	J/mol×K	596.76	Joback Method
cpg	397.25	J/mol×K	631.39	Joback Method
cpg	410.92	J/mol×K	666.02	Joback Method
cpg	423.77	J/mol×K	700.66	Joback Method
cpg	435.81	J/mol×K	735.29	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=C457874&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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume