Tetradecylamine, N-allyl-

Inchi: InChI=1S/C17H35N/c1-3-5-6-7-8-9-10-11-12-13-14-15-17-18-16-4-2/h4,18H,2-3,5-17H2,
InchiKey: UPWBYIXAFQMXQJ-UHFFFAOYSA-N
Formula: C17H35N
SMILES: C=CCNCCCCCCCCCCCCCC
Mol. weight [g/mol]: 253.47

Physical Properties

Property code	Value	Unit	Source
gf	269.49	kJ/mol	Joback Method
hf	-215.31	kJ/mol	Joback Method
hfus	43.60	kJ/mol	Joback Method
hvap	59.20	kJ/mol	Joback Method
log10ws	-5.98		Crippen Method
logp	5.463		Crippen Method
mcvol	256.070	ml/mol	McGowan Method
pc	1280.08	kPa	Joback Method
rinpol	2373.00		NIST Webbook
rinpol	2373.00		NIST Webbook
tb	635.21	K	Joback Method
tc	799.73	K	Joback Method
tf	332.25	K	Joback Method
vc	1.004	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	710.96	J/mol×K	635.21	Joback Method
cpg	729.87	J/mol×K	662.63	Joback Method
cpg	747.97	J/mol×K	690.05	Joback Method
cpg	765.29	J/mol×K	717.47	Joback Method
cpg	781.85	J/mol×K	744.89	Joback Method
cpg	797.69	J/mol×K	772.31	Joback Method
cpg	812.83	J/mol×K	799.73	Joback Method

Sources

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=U416167&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume