Octylamine, N,N-di(allyl)-

Inchi: InChI=1S/C14H27N/c1-4-7-8-9-10-11-14-15(12-5-2)13-6-3/h5-6H,2-4,7-14H2,1H3
InchiKey: IJCPYSQIDJTXOA-UHFFFAOYSA-N
Formula: C14H27N
SMILES: C=CCN(CC=C)CCCCCCCC
Mol. weight [g/mol]: 209.37

Physical Properties

Property code	Value	Unit	Source
gf	353.46	kJ/mol	Joback Method
hf	-13.90	kJ/mol	Joback Method
hfus	32.48	kJ/mol	Joback Method
hvap	47.46	kJ/mol	Joback Method
log10ws	-3.96		Crippen Method
logp	4.021		Crippen Method
mcvol	209.500	ml/mol	McGowan Method
pc	1625.91	kPa	Joback Method
rinpol	1505.00		NIST Webbook
rinpol	1505.00		NIST Webbook
tb	525.52	K	Joback Method
tc	689.19	K	Joback Method
tf	276.49	K	Joback Method
vc	0.799	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	504.06	J/mol×K	525.52	Joback Method
cpg	521.78	J/mol×K	552.80	Joback Method
cpg	538.74	J/mol×K	580.08	Joback Method
cpg	554.95	J/mol×K	607.36	Joback Method
cpg	570.44	J/mol×K	634.63	Joback Method
cpg	585.25	J/mol×K	661.91	Joback Method
cpg	599.39	J/mol×K	689.19	Joback Method

Sources

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=U416173&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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