Hexylamine, N,N-di(allyl)-

Inchi: InChI=1S/C12H23N/c1-4-7-8-9-12-13(10-5-2)11-6-3/h5-6H,2-4,7-12H2,1H3
InchiKey: VHMHKWWSNJZQSL-UHFFFAOYSA-N
Formula: C12H23N
SMILES: C=CCN(CC=C)CCCCCC
Mol. weight [g/mol]: 181.32

Physical Properties

Property code	Value	Unit	Source
gf	336.62	kJ/mol	Joback Method
hf	27.38	kJ/mol	Joback Method
hfus	27.30	kJ/mol	Joback Method
hvap	43.01	kJ/mol	Joback Method
log10ws	-3.12		Crippen Method
logp	3.241		Crippen Method
mcvol	181.320	ml/mol	McGowan Method
pc	1910.24	kPa	Joback Method
rinpol	1248.00		NIST Webbook
rinpol	1248.00		NIST Webbook
tb	479.76	K	Joback Method
tc	645.30	K	Joback Method
tf	253.95	K	Joback Method
vc	0.688	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	405.59	J/mol×K	479.76	Joback Method
cpg	422.13	J/mol×K	507.35	Joback Method
cpg	437.94	J/mol×K	534.94	Joback Method
cpg	453.05	J/mol×K	562.53	Joback Method
cpg	467.48	J/mol×K	590.12	Joback Method
cpg	481.27	J/mol×K	617.71	Joback Method
cpg	494.43	J/mol×K	645.30	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=U416170&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume