E-(3-Chloro-2-methyl-allyl)-dipentyl-amine

Inchi: InChI=1S/C13H26ClN/c1-4-6-8-10-15(13(3)12-14)11-9-7-5-2/h12H,4-11H2,1-3H3/b13-12
InchiKey: RZTDCWHGMBEWKD-OUKQBFOZSA-N
Formula: C13H26ClN
SMILES: CCCCCN(CCCCC)C(C)=CCl
Mol. weight [g/mol]: 231.81

Physical Properties

Property code	Value	Unit	Source
gf	229.10	kJ/mol	Joback Method
hf	-152.43	kJ/mol	Joback Method
hfus	35.54	kJ/mol	Joback Method
hvap	51.00	kJ/mol	Joback Method
log10ws	-4.83		Crippen Method
logp	4.769		Crippen Method
mcvol	211.950	ml/mol	McGowan Method
pc	1668.70	kPa	Joback Method
rinpol	1503.40		NIST Webbook
rinpol	1503.40		NIST Webbook
ripol	1628.60		NIST Webbook
ripol	1628.60		NIST Webbook
tb	550.75	K	Joback Method
tc	724.06	K	Joback Method
tf	279.62	K	Joback Method
vc	0.811	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	510.83	J/mol×K	550.75	Joback Method
cpg	528.12	J/mol×K	579.64	Joback Method
cpg	544.60	J/mol×K	608.52	Joback Method
cpg	560.29	J/mol×K	637.41	Joback Method
cpg	575.25	J/mol×K	666.29	Joback Method
cpg	589.49	J/mol×K	695.18	Joback Method

cpg	603.07	J/mol×K	724.06	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=R153932&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume