2,6,14-Trimethyl-10-methylene-9-(3-methyl-pent-4-

Inchi: InChI=1S/C25H42/c1-9-22(6)16-18-25(24(8)15-11-13-21(4)5)19-17-23(7)14-10-12-20(2)
InchiKey: VLXSQAFKTICBAS-HAVVHWLPSA-N
Formula: C25H42
SMILES: C=CC(C)CCC(CC=C(C)CCC=C(C)C)C(=C)CCC=C(C)C
Mol. weight [g/mol]: 342.60

Physical Properties

Property code	Value	Unit	Source
gf	536.88	kJ/mol	Joback Method
hf	-6.53	kJ/mol	Joback Method
hfus	46.27	kJ/mol	Joback Method
hvap	69.32	kJ/mol	Joback Method
log10ws	-9.07		Crippen Method
logp	8.590		Crippen Method
mcvol	341.610	ml/mol	McGowan Method
pc	895.34	kPa	Joback Method
rinpol	2191.00		NIST Webbook
tb	775.88	K	Joback Method
tc	964.66	K	Joback Method
tf	266.91	K	Joback Method
vc	1.329	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1026.24	J/mol×K	775.88	Joback Method
cpg	1047.70	J/mol×K	807.34	Joback Method
cpg	1068.16	J/mol×K	838.81	Joback Method
cpg	1087.69	J/mol×K	870.27	Joback Method
cpg	1106.38	J/mol×K	901.73	Joback Method
cpg	1124.32	J/mol×K	933.19	Joback Method
cpg	1141.60	J/mol×K	964.66	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=R500808&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