2,10,14-trimethyl-6-methylene-7(3-methyl-pent-4-e

Inchi: InChI=1S/C25H42/c1-9-11-12-13-22(6)15-17-25(16-14-21(5)10-2)24(8)19-23(7)18-20(3)4
InchiKey: FNPDMFUOVSMNKP-MLBLMHQHSA-N
Formula: C25H42
SMILES: C=CC(C)CCC(CC=C(C)CCC=CC)C(C)CC(=C)C=C(C)C
Mol. weight [g/mol]: 342.60

Physical Properties

Property code	Value	Unit	Source
gf	542.99	kJ/mol	Joback Method
hf	-2.02	kJ/mol	Joback Method
hfus	44.05	kJ/mol	Joback Method
hvap	68.85	kJ/mol	Joback Method
log10ws	-8.83		Crippen Method
logp	8.446		Crippen Method
mcvol	341.610	ml/mol	McGowan Method
pc	896.95	kPa	Joback Method
rinpol	2191.00		NIST Webbook
rinpol	2191.00		NIST Webbook
tb	775.56	K	Joback Method
tc	964.61	K	Joback Method
tf	265.87	K	Joback Method
vc	1.323	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1027.06	J/mol×K	775.56	Joback Method
cpg	1048.58	J/mol×K	807.07	Joback Method
cpg	1069.06	J/mol×K	838.58	Joback Method
cpg	1088.61	J/mol×K	870.08	Joback Method
cpg	1107.30	J/mol×K	901.59	Joback Method
cpg	1125.22	J/mol×K	933.10	Joback Method
cpg	1142.47	J/mol×K	964.61	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=R394539&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

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