2,6(E),14(E),18-Icosatriene, 2,6,11,15,19-pentamethyl

Inchi: InChI=1S/C26H46/c1-8-23(4)17-12-19-26(7)21-13-20-25(6)16-10-9-15-24(5)18-11-14-22

InchiKey: HLMYWYJTUIDMOF-YIORQQJGSA-N

Formula: C26H46

SMILES: CCC(C)=CCCC(C)=CCCC(C)CCCC=C(C)CCC=C(C)C

Mol. weight [g/mol]: 358.64

Physical Properties

Property code	Value	Unit	Source
gf	452.28	kJ/mol	Joback Method
hf	-155.53	kJ/mol	Joback Method
hfus	55.14	kJ/mol	Joback Method
hvap	73.23	kJ/mol	Joback Method
log10ws	-9.88		Crippen Method
logp	9.348		Crippen Method
mcvol	360.000	ml/mol	McGowan Method
pc	826.69	kPa	Joback Method
rinpol	2354.00		NIST Webbook
tb	810.00	K	Joback Method
tc	999.50	K	Joback Method
tf	291.62	K	Joback Method
vc	1.409	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1117.59	J/mol×K	810.00	Joback Method
cpg	1139.71	J/mol×K	841.58	Joback Method
cpg	1160.86	J/mol×K	873.17	Joback Method
cpg	1181.12	J/mol×K	904.75	Joback Method
cpg	1200.59	J/mol×K	936.33	Joback Method
cpg	1219.36	J/mol×K	967.92	Joback Method
cpg	1237.54	J/mol×K	999.50	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=R507725&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