2,6(E),10(E),16-Nonadecatetraene, 2,6,10,14,18-pentamethyl-13-(3-methyl-4-pentenyl

Inchi: InChI=1S/C30H50/c1-10-26(6)20-22-30(29(9)19-12-15-25(4)5)23-21-28(8)18-13-17-27(7

InchiKey: GHOAXORVRGJVGY-ATHQZYCISA-N

Formula: C30H50

SMILES: C=CC(C)CC=C(CC=C(C)CCC=C(C)CCC=C(C)C)C(C)CC=CC(C)C

Mol. weight [g/mol]: 410.72

Physical Properties

Property code	Value	Unit	Source
gf	649.14	kJ/mol	Joback Method
hf	-6.00	kJ/mol	Joback Method
hfus	57.38	kJ/mol	Joback Method
hvap	80.65	kJ/mol	Joback Method
log10ws	-10.78		Crippen Method
logp	10.173		Crippen Method
mcvol	407.760	ml/mol	McGowan Method
pc	710.35	kPa	Joback Method
rinpol	2617.00		NIST Webbook
rinpol	2617.00		NIST Webbook
tb	901.48	K	Joback Method
tc	1105.81	K	Joback Method
tf	299.86	K	Joback Method
vc	1.583	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1320.97	J/mol×K	901.48	Joback Method
cpg	1344.27	J/mol×K	935.53	Joback Method
cpg	1366.72	J/mol×K	969.59	Joback Method
cpg	1388.46	J/mol×K	1003.64	Joback Method
cpg	1409.64	J/mol×K	1037.70	Joback Method
cpg	1430.39	J/mol×K	1071.75	Joback Method
cpg	1450.85	J/mol×K	1105.81	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=R507705&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