2,6(E),10(E),14,18-Icosapentaene, 2,6,11,15,19-pentamethyl

Inchi: InChI=1S/C26H44/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: WVIKYUIVFMNADS-VUGWYDRFSA-N

Formula: C26H44

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

Mol. weight [g/mol]: 356.63

Physical Properties

Property code	Value	Unit	Source
gf	526.39	kJ/mol	Joback Method
hf	-42.82	kJ/mol	Joback Method
hfus	57.56	kJ/mol	Joback Method
hvap	73.66	kJ/mol	Joback Method
log10ws	-9.97		Crippen Method
logp	9.269		Crippen Method
mcvol	355.700	ml/mol	McGowan Method
pc	850.48	kPa	Joback Method
rinpol	2617.00		NIST Webbook
tb	814.48	K	Joback Method
tc	1007.30	K	Joback Method
tf	287.58	K	Joback Method
vc	1.397	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1091.86	J/mol×K	814.48	Joback Method
cpg	1113.55	J/mol×K	846.62	Joback Method
cpg	1134.32	J/mol×K	878.75	Joback Method
cpg	1154.30	J/mol×K	910.89	Joback Method
cpg	1173.59	J/mol×K	943.02	Joback Method
cpg	1192.30	J/mol×K	975.16	Joback Method
cpg	1210.53	J/mol×K	1007.30	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=R507696&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