2,6,10,14-Hexadecatetraen-1-ol, 3,7,11,15-tetramethyl-, acetate, (E,E,E)-

Other names: (2E,6E,10E)-3,7,11,15-Tetramethylhexadeca-2,6,10,14-tetraen-1-yl acetate
Inchi: InChI=1S/C22H36O2/c1-18(2)10-7-11-19(3)12-8-13-20(4)14-9-15-21(5)16-17-24-22(6)23
InchiKey: NHYSRKKHKHCRGR-RFRQLJORSA-N
Formula: C22H36O2
SMILES: CC(=O)OCC=C(C)CCC=C(C)CCC=C(C)CCC=C(C)C
Mol. weight [g/mol]: 332.52
CAS: 61691-98-3

Physical Properties

Property code	Value	Unit	Source
gf	187.12	kJ/mol	Joback Method
hf	-312.49	kJ/mol	Joback Method
hfus	51.09	kJ/mol	Joback Method
hvap	73.87	kJ/mol	Joback Method
log10ws	-7.31		Crippen Method
logp	6.695		Crippen Method
mcvol	311.080	ml/mol	McGowan Method
pc	1070.76	kPa	Joback Method
rinpol	2301.50		NIST Webbook
rinpol	2301.50		NIST Webbook
tb	795.21	K	Joback Method
tc	988.86	K	Joback Method
tf	333.70	K	Joback Method
vc	1.216	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	931.49	J/mol×K	795.21	Joback Method
cpg	950.47	J/mol×K	827.48	Joback Method
cpg	968.54	J/mol×K	859.76	Joback Method
cpg	985.79	J/mol×K	892.03	Joback Method
cpg	1002.28	J/mol×K	924.31	Joback Method
cpg	1018.09	J/mol×K	956.58	Joback Method

cpg	1033.31	J/mol×K	988.86	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=C61691983&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