(Z)-6-Methyl-2-(nonadec-10-en-1-yl)-2H-pyran-4(3H

Inchi: InChI=1S/C25H44O2/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-25-22-24(26)2
InchiKey: BWJGPBYNCWFMBW-KHPPLWFESA-N
Formula: C25H44O2
SMILES: CCCCCCCCC=CCCCCCCCCCC1CC(=O)C=C(C)O1
Mol. weight [g/mol]: 376.62
CAS: 243118-18-5

Physical Properties

Property code	Value	Unit	Source
gf	75.91	kJ/mol	Joback Method
hf	-611.18	kJ/mol	Joback Method
hfus	60.86	kJ/mol	Joback Method
hvap	81.34	kJ/mol	Joback Method
log10ws	-8.86		Crippen Method
logp	8.066		Crippen Method
mcvol	351.090	ml/mol	McGowan Method
pc	910.53	kPa	Joback Method
rinpol	2934.70		NIST Webbook
rinpol	2934.70		NIST Webbook
tb	894.02	K	Joback Method
tc	1097.04	K	Joback Method
tf	481.88	K	Joback Method
vc	1.363	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1187.30	J/mol×K	894.02	Joback Method
cpg	1208.11	J/mol×K	927.86	Joback Method
cpg	1227.53	J/mol×K	961.69	Joback Method
cpg	1245.61	J/mol×K	995.53	Joback Method
cpg	1262.41	J/mol×K	1029.37	Joback Method
cpg	1277.96	J/mol×K	1063.20	Joback Method
cpg	1292.32	J/mol×K	1097.04	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=C243118185&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