1,6-Hexanediol, tri-ethoxylated, diacrylate

Inchi: InChI=1S/C19H32O6/c1-4-18(3)24-16-14-23-13-12-21-10-8-6-7-9-11-22-15-17-25-19(20
InchiKey: WFQDQYSRVRVSPQ-UHFFFAOYSA-N
Formula: C19H32O6
SMILES: C=CC(=C)OCCOCCOCCCCCCOCCOC(=O)C=C
Mol. weight [g/mol]: 356.45

Physical Properties

Property code	Value	Unit	Source
gf	-289.85	kJ/mol	Joback Method
hf	-842.67	kJ/mol	Joback Method
hfus	47.35	kJ/mol	Joback Method
hvap	74.75	kJ/mol	Joback Method
log10ws	-3.04		Crippen Method
logp	3.042		Crippen Method
mcvol	296.590	ml/mol	McGowan Method
pc	1162.45	kPa	Joback Method
rinpol	2395.00		NIST Webbook
tb	790.01	K	Joback Method
tc	971.81	K	Joback Method
tf	445.73	K	Joback Method
vc	1.139	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	898.08	J/mol×K	790.01	Joback Method
cpg	915.06	J/mol×K	820.31	Joback Method
cpg	931.06	J/mol×K	850.61	Joback Method
cpg	946.05	J/mol×K	880.91	Joback Method
cpg	960.04	J/mol×K	911.21	Joback Method
cpg	973.04	J/mol×K	941.51	Joback Method
cpg	985.02	J/mol×K	971.81	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=R561110&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