Bisphenol F diglycidyl ether, ortho-ortho'

Other names: o,o'-Bisphenol F diglycidyl ether
Inchi: InChI=1S/C19H20O4/c1-3-7-18(22-12-16-10-20-16)14(5-1)9-15-6-2-4-8-19(15)23-13-17-
InchiKey: FIJSKXFJFGTBRV-UHFFFAOYSA-N
Formula: C19H20O4
SMILES: c1ccc(OCC2CO2)c(Cc2ccccc2OCC2CO2)c1
Mol. weight [g/mol]: 312.36

Physical Properties

Property code	Value	Unit	Source
gf	53.92	kJ/mol	Joback Method
hf	-368.21	kJ/mol	Joback Method
hfus	46.87	kJ/mol	Joback Method
hvap	77.43	kJ/mol	Joback Method
log10ws	-3.67		Crippen Method
logp	2.833		Crippen Method
mcvol	232.810	ml/mol	McGowan Method
pc	2062.36	kPa	Joback Method
rinpol	2453.00		NIST Webbook
tb	809.66	K	Joback Method
tc	1045.24	K	Joback Method
tf	515.25	K	Joback Method
vc	0.875	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	721.89	J/mol×K	809.66	Joback Method
cpg	738.50	J/mol×K	848.92	Joback Method
cpg	753.89	J/mol×K	888.19	Joback Method
cpg	768.16	J/mol×K	927.45	Joback Method
cpg	781.42	J/mol×K	966.71	Joback Method
cpg	793.77	J/mol×K	1005.98	Joback Method
cpg	805.32	J/mol×K	1045.24	Joback Method
dvisc	0.0016010	Pa×s	515.25	Joback Method

dvisc	0.0011956	Pa×s	564.32	Joback Method
dvisc	0.0009356	Pa×s	613.39	Joback Method
dvisc	0.0007592	Pa×s	662.45	Joback Method
dvisc	0.0006341	Pa×s	711.52	Joback Method
dvisc	0.0005420	Pa×s	760.59	Joback Method
dvisc	0.0004722	Pa×s	809.66	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=R85835&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
dvisc:	Dynamic viscosity
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