Glutaric acid, (2-methylcyclohex-1-enyl)methyl 2-fluorophenyl ester

Inchi: InChI=1S/C19H23FO4/c1-14-7-2-3-8-15(14)13-23-18(21)11-6-12-19(22)24-17-10-5-4-9-1
InchiKey: FYZABUYBMPHNOS-UHFFFAOYSA-N
Formula: C19H23FO4
SMILES: CC1=C(COC(=O)CCCC(=O)Oc2ccccc2F)CCCC1
Mol. weight [g/mol]: 334.38

Physical Properties

Property code	Value	Unit	Source
gf	-407.91	kJ/mol	Joback Method
hf	-786.64	kJ/mol	Joback Method
hfus	38.48	kJ/mol	Joback Method
hvap	80.67	kJ/mol	Joback Method
log10ws	-5.33		Crippen Method
logp	4.335		Crippen Method
mcvol	256.300	ml/mol	McGowan Method
pc	1686.56	kPa	Joback Method
rinpol	2419.00		NIST Webbook
tb	850.97	K	Joback Method
tc	1068.23	K	Joback Method
tf	525.16	K	Joback Method
vc	0.978	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	787.46	J/mol×K	850.97	Joback Method
cpg	802.49	J/mol×K	887.18	Joback Method
cpg	816.22	J/mol×K	923.39	Joback Method
cpg	828.69	J/mol×K	959.60	Joback Method
cpg	839.92	J/mol×K	995.81	Joback Method
cpg	849.92	J/mol×K	1032.02	Joback Method
cpg	858.73	J/mol×K	1068.23	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=U405505&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