Urea, 1,1'-p-phenylenebis[3-(2-fluoroethyl)-

Inchi: InChI=1S/C12H16F2N4O2/c13-5-7-15-11(19)17-9-1-2-10(4-3-9)18-12(20)16-8-6-14/h1-4
InchiKey: NNUOIMVEXIIHOI-UHFFFAOYSA-N
Formula: C12H16F2N4O2
SMILES: OC(=NCCF)Nc1ccc(NC(O)=NCCF)cc1
Mol. weight [g/mol]: 286.28
CAS: 13907-99-8

Physical Properties

Property code	Value	Unit	Source
hf	-510.83	kJ/mol	Joback Method
hvap	96.63	kJ/mol	Joback Method
log10ws	-1.83		Crippen Method
logp	2.277		Crippen Method
mcvol	202.780	ml/mol	McGowan Method
pc	2195.89	kPa	Joback Method
tb	941.98	K	Joback Method
tc	1155.71	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C13907998&Units=SI
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

Legend

hf: Enthalpy of formation 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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature