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

Inchi: InChI=1S/C12H14F2N6O4/c13-5-7-19(17-23)11(21)15-9-1-2-10(4-3-9)16-12(22)20(18-24
InchiKey: PIRRAGAWVKRMAO-UHFFFAOYSA-N
Formula: C12H14F2N6O4
SMILES: O=NN(CCF)C(=O)Nc1ccc(NC(=O)N(CCF)N=O)cc1
Mol. weight [g/mol]: 344.27
CAS: 116277-65-7

Physical Properties

Property code	Value	Unit	Source
hf	-777.71	kJ/mol	Joback Method
hvap	92.25	kJ/mol	Joback Method
log10ws	-3.88		Crippen Method
logp	2.656		Crippen Method
mcvol	225.880	ml/mol	McGowan Method
pc	2421.88	kPa	Joback Method
tb	863.92	K	Joback Method
tc	1065.00	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C116277657&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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