Urea, 1,3-bis (2-fluoroethyl)-

Inchi: InChI=1S/C5H10F2N2O/c6-1-3-8-5(10)9-4-2-7/h1-4H2,(H2,8,9,10)
InchiKey: YUFVZZIMIQFLNI-UHFFFAOYSA-N
Formula: C5H10F2N2O
SMILES: OC(=NCCF)NCCF
Mol. weight [g/mol]: 152.14
CAS: 13907-92-1

Physical Properties

Property code	Value	Unit	Source
hf	-565.08	kJ/mol	Joback Method
hvap	51.60	kJ/mol	Joback Method
log10ws	-0.29		Crippen Method
logp	0.429		Crippen Method
mcvol	106.380	ml/mol	McGowan Method
pc	3145.56	kPa	Joback Method
tb	531.25	K	Joback Method
tc	701.49	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C13907921&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