10-Undecenal, PFBO # 2

Inchi: InChI=1S/C18H22F5NO/c1-2-3-4-5-6-7-8-9-10-11-24-25-12-13-14(19)16(21)18(23)17(22
InchiKey: RNOVLPZWKHTRBO-UHFFFAOYSA-N
Formula: C18H22F5NO
SMILES: C=CCCCCCCCCC=NOCc1c(F)c(F)c(F)c(F)c1F
Mol. weight [g/mol]: 363.37

Physical Properties

Property code	Value	Unit	Source
hf	-1140.79	kJ/mol	Joback Method
hvap	62.22	kJ/mol	Joback Method
log10ws	-7.71		Crippen Method
logp	6.191		Crippen Method
mcvol	256.820	ml/mol	McGowan Method
pc	1114.82	kPa	Joback Method
ripol	2302.00		NIST Webbook
tb	754.95	K	Joback Method
tc	933.88	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R576013&Units=SI

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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature