2,4-Decadienal, PFBO

Inchi: InChI=1S/C17H18F5NO/c1-2-3-4-5-6-7-8-9-10-23-24-11-12-13(18)15(20)17(22)16(21)14
InchiKey: QZFLGQRRQUNJCD-XEPRXCOLSA-N
Formula: C17H18F5NO
SMILES: CCCCCC=CC=CC=NOCc1c(F)c(F)c(F)c(F)c1F
Mol. weight [g/mol]: 347.32

Physical Properties

Property code	Value	Unit	Source
hf	-1011.14	kJ/mol	Joback Method
hvap	60.58	kJ/mol	Joback Method
log10ws	-7.14		Crippen Method
logp	5.577		Crippen Method
mcvol	238.430	ml/mol	McGowan Method
pc	1242.46	kPa	Joback Method
rinpol	1974.00		NIST Webbook
rinpol	1974.00		NIST Webbook
tb	743.71	K	Joback Method
tc	928.50	K	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=R398833&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature