Benzamide, 3-fluoro-N-(2-ethylhexyl)-

Inchi: InChI=1S/C15H22FNO/c1-3-5-7-12(4-2)11-17-15(18)13-8-6-9-14(16)10-13/h6,8-10,12H,
InchiKey: YMVYEORBOFCHRC-UHFFFAOYSA-N
Formula: C15H22FNO
SMILES: CCCCC(CC)CN=C(O)c1cccc(F)c1
Mol. weight [g/mol]: 251.34

Physical Properties

Property code	Value	Unit	Source
hf	-409.06	kJ/mol	Joback Method
hvap	70.79	kJ/mol	Joback Method
log10ws	-4.38		Crippen Method
logp	4.347		Crippen Method
mcvol	211.770	ml/mol	McGowan Method
pc	1755.07	kPa	Joback Method
rinpol	1944.00		NIST Webbook
rinpol	1944.00		NIST Webbook
tb	741.83	K	Joback Method
tc	937.44	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=U407283&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