Benzamide, 2-fluoro-N-ethyl-

Inchi: InChI=1S/C9H10FNO/c1-2-11-9(12)7-5-3-4-6-8(7)10/h3-6H,2H2,1H3,(H,11,12)
InchiKey: XOWCNVMZTDLJLP-UHFFFAOYSA-N
Formula: C9H10FNO
SMILES: CCN=C(O)c1ccccc1F
Mol. weight [g/mol]: 167.18

Physical Properties

Property code	Value	Unit	Source
hf	-279.94	kJ/mol	Joback Method
hvap	57.82	kJ/mol	Joback Method
log10ws	-2.11		Crippen Method
logp	2.150		Crippen Method
mcvol	127.230	ml/mol	McGowan Method
pc	3022.28	kPa	Joback Method
rinpol	1388.00		NIST Webbook
rinpol	1388.00		NIST Webbook
tb	604.99	K	Joback Method
tc	810.75	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407128&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature