Benzamide, 2-fluoro-N-propyl-

Inchi: InChI=1S/C10H12FNO/c1-2-7-12-10(13)8-5-3-4-6-9(8)11/h3-6H,2,7H2,1H3,(H,12,13)
InchiKey: UJNVPTNAUICCCU-UHFFFAOYSA-N
Formula: C10H12FNO
SMILES: CCCN=C(O)c1ccccc1F
Mol. weight [g/mol]: 181.21

Physical Properties

Property code	Value	Unit	Source
hf	-300.58	kJ/mol	Joback Method
hvap	60.05	kJ/mol	Joback Method
log10ws	-2.53		Crippen Method
logp	2.540		Crippen Method
mcvol	141.320	ml/mol	McGowan Method
pc	2726.86	kPa	Joback Method
rinpol	1488.00		NIST Webbook
rinpol	1488.00		NIST Webbook
tb	627.87	K	Joback Method
tc	830.63	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=U407129&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature