

Benzamide, 2-fluoro-N-pentyl-

Inchi:	InChI=1S/C12H16FNO/c1-2-3-6-9-14-12(15)10-7-4-5-8-11(10)13/h4-5,7-8H,2-3,6,9H2,1H
InchiKey:	JAKUXQGBFMCMNT-UHFFFAOYSA-N
Formula:	C12H16FNO
SMILES:	CCCCCN=C(O)c1ccccc1F
Mol. weight [g/mol]:	209.26

Physical Properties

Property code	Value	Unit	Source
hf	-341.86	kJ/mol	Joback Method
hvap	64.50	kJ/mol	Joback Method
log10ws	-3.37		Crippen Method
logp	3.321		Crippen Method
mcvol	169.500	ml/mol	McGowan Method
pc	2252.53	kPa	Joback Method
rinpol	1693.00		NIST Webbook
rinpol	1693.00		NIST Webbook
tb	673.63	K	Joback Method
tc	871.31	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=U407133&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

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