Benzamide, 2,5-di(trifluoromethyl)-N-hexyl-

Inchi: InChI=1S/C15H17F6NO/c1-2-3-4-5-8-22-13(23)11-9-10(14(16,17)18)6-7-12(11)15(19,20
InchiKey: DUJXUDFLAMCIMA-UHFFFAOYSA-N
Formula: C15H17F6NO
SMILES: CCCCCCN=C(O)c1cc(C(F)(F)F)ccc1C(F)(F)F
Mol. weight [g/mol]: 341.29

Physical Properties

Property code	Value	Unit	Source
hf	-1413.30	kJ/mol	Joback Method
hvap	65.16	kJ/mol	Joback Method
log10ws	-5.66		Crippen Method
logp	5.609		Crippen Method
mcvol	220.620	ml/mol	McGowan Method
pc	1482.71	kPa	Joback Method
rinpol	1666.00		NIST Webbook
rinpol	1666.00		NIST Webbook
tb	737.14	K	Joback Method
tc	917.34	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=U407922&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