N,N,N-Trifluorohexaneamidine

Inchi: InChI=1S/C6H11F3N2/c1-2-3-4-5-6(10-7)11(8)9/h2-5H2,1H3/b10-6-
InchiKey: JKIUGGISFUBFGD-POHAHGRESA-N
Formula: C6H11F3N2
SMILES: CCCCCC(=NF)N(F)F
Mol. weight [g/mol]: 168.16
CAS: 31330-22-0

Physical Properties

Property code	Value	Unit	Source
chl	-4246.31 ± 0.59	kJ/mol	NIST Webbook
hf	-615.54	kJ/mol	Joback Method
hfl	-224.10 ± 0.59	kJ/mol	NIST Webbook
hvap	46.53	kJ/mol	NIST Webbook
log10ws	-3.09		Crippen Method
logp	2.921		Crippen Method
mcvol	116.370	ml/mol	McGowan Method
pc	2424.27	kPa	Joback Method
tb	423.49	K	Joback Method
tc	585.31	K	Joback Method

Sources

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=C31330220&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

chl: Standard liquid enthalpy of combustion

hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase 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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature