Norfenfluramine

Other names:	«alpha»-Methyl-m-(trifluoromethyl)phenethylamine «alpha»-Methyl-3-(trifluoromethyl)phenethylamine Benzeneethanamine, «alpha»-methyl-3-(trifluoromethyl)- Desethylfenfluramine JP 92 Norfenfloramine Phenethylamine, «alpha»-methyl-m-(trifluoromethyl)- 1-(m-Trifluoromethylphenyl)-2-aminopropane 1-(3-Trifluoromethylphenyl)-2-amino propane 1-(3-(Trifluoromethyl)phenyl)-2-propanamine 1-Methyl-2-(m-trifluoromethylphenyl)ethylamine dl-Norfenfluramine NSC 43036
Inchi:	InChI=1S/C10H12F3N/c1-7(14)5-8-3-2-4-9(6-8)10(11,12)13/h2-4,6-7H,5,14H2,1H3
InchiKey:	MLBHFBKZUPLWBD-UHFFFAOYSA-N
Formula:	C10H12F3N
SMILES:	CC(N)Cc1cccc(C(F)(F)F)c1
Mol. weight [g/mol]:	203.20
CAS:	1886-26-6

Physical Properties

Property code	Value	Unit	Source
gf	-381.48	kJ/mol	Joback Method
hf	-593.24	kJ/mol	Joback Method
hfus	18.81	kJ/mol	Joback Method
hvap	47.30	kJ/mol	Joback Method
log10ws	-3.34		Crippen Method
logp	2.595		Crippen Method
mcvol	143.290	ml/mol	McGowan Method
pc	2732.56	kPa	Joback Method
rinpol	1092.00		NIST Webbook
rinpol	1092.00		NIST Webbook
rinpol	1078.00		NIST Webbook
rinpol	1096.00		NIST Webbook
rinpol	1098.00		NIST Webbook
rinpol	1133.00		NIST Webbook
rinpol	1078.00		NIST Webbook

rinpol	1136.00		NIST Webbook
ripol	1560.00		NIST Webbook
ripol	1560.00		NIST Webbook
ripol	1616.00		NIST Webbook
ripol	1608.00		NIST Webbook
ripol	1600.00		NIST Webbook
ripol	1560.00		NIST Webbook
tb	526.53	K	Joback Method
tc	728.95	K	Joback Method
tf	313.85	K	Joback Method
vc	0.553	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	344.55	J/mol×K	526.53	Joback Method
cpg	358.43	J/mol×K	560.27	Joback Method
cpg	371.38	J/mol×K	594.00	Joback Method
cpg	383.46	J/mol×K	627.74	Joback Method
cpg	394.73	J/mol×K	661.48	Joback Method
cpg	405.21	J/mol×K	695.21	Joback Method
cpg	414.98	J/mol×K	728.95	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=C1886266&Units=SI

Legend

cpg: Ideal gas heat capacity
gf: Standard Gibbs free energy of formation

hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion 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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume