Paradrine

Other names:	p-Hydroxyamphetamine
	Phenol, 4-(2-aminopropyl)-
	«alpha»-Methyltyramine
	p-(2-Aminopropyl)phenol
	p-Hydroxy-«alpha»-methylphenethylamine
	DL-p-(2-Aminopropyl)phenol
	Hydroxyamphetamine
	Norpholedrine
	Norveritol
	Nov-Pholedrin
	Oksamfetamin
	Oxamfetamin
	Oxamphetamine
	Oxamphetaminium
	Paredrine
	Paredrinex
	Pedrolon
	Phenol, p-(2-aminopropyl)-
	Pulsoton
	1-p-Hydroxyphenyl-2-propylamine
	2-Amino-1-(p-hydroxyphenyl)propane
	4-(2-Aminopropyl)phenol
	4-Hydroxy-«alpha»-methylphenethylamine
	4-Hydroxyamphetamine
	NSC 170995
	dl-p-Hydroxyamphetamine
	306-21-8
Inchi:	InChI=1S/C9H13NO/c1-7(10)6-8-2-4-9(11)5-3-8/h2-5,7,11H,6,10H2,1H3
InchiKey:	GIKNHHRFLCDOEU-UHFFFAOYSA-N
Formula:	C9H13NO
SMILES:	CC(N)Cc1ccc(O)cc1
Mol. weight [g/mol]:	151.21
CAS:	1518-86-1

Physical Properties

Property code	Value	Unit	Source

gf	46.70	kJ/mol	Joback Method
hf	-141.36	kJ/mol	Joback Method
hfus	20.56	kJ/mol	Joback Method
hvap	61.17	kJ/mol	Joback Method
log10ws	-1.79		Crippen Method
logp	1.282		Crippen Method
mcvol	129.760	ml/mol	McGowan Method
pc	4233.04	kPa	Joback Method
tb	584.71	K	Joback Method
tc	820.97	K	Joback Method
tf	397.59	K	Joback Method
vc	0.420	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	322.24	J/mol×K	584.71	Joback Method
cpg	335.07	J/mol×K	624.09	Joback Method
cpg	346.96	J/mol×K	663.46	Joback Method
cpg	358.00	J/mol×K	702.84	Joback Method
cpg	368.30	J/mol×K	742.22	Joback Method
cpg	377.94	J/mol×K	781.59	Joback Method
cpg	387.03	J/mol×K	820.97	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=C1518861&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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