

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
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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		m ³ /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:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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

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
h vap:	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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