Methoxyphenamine

Other names:	Benzeneethanamine, 2-methoxy-N,«alpha»-dimethyl- Phenethylamine, o-methoxy-N,«alpha»-dimethyl- «alpha»-(2-Methoxyphenyl)-«beta»-methylaminopropane Methoxyphenadrine Methoxyphenamin Orthoxine Ortodrinex Ortoxine 1-(o-Methoxyphenyl)-2-methylaminopropane 2-Methoxy-N-methylamphetamine «beta»-(o-Methoxyphenyl)isopropylmethylamine Methoxiphenadrin 2-Methoxy-N,«alpha»-dimethylbenzeneethanamine 2-Methoxymethamphetamine Methamphetamine, 2-methoxy 2-Methoxy-N,«alpha»-dimethylphenethylamine
Inchi:	InChI=1S/C11H17NO/c1-9(12-2)8-10-6-4-5-7-11(10)13-3/h4-7,9,12H,8H2,1-3H3
InchiKey:	OEHAYUOVELTAPG-UHFFFAOYSA-N
Formula:	C11H17NO
SMILES:	CNC(C)Cc1ccccc1OC
Mol. weight [g/mol]:	179.26
CAS:	93-30-1

Physical Properties

Property code	Value	Unit	Source
gf	126.47	kJ/mol	Joback Method
hf	-129.34	kJ/mol	Joback Method
hfus	20.66	kJ/mol	Joback Method
hvap	51.48	kJ/mol	Joback Method
log10ws	-2.53		Crippen Method
logp	1.846		Crippen Method
mcvol	157.940	ml/mol	McGowan Method
pc	2619.09	kPa	Joback Method
rinpol	1361.00		NIST Webbook
rinpol	1361.00		NIST Webbook
rinpol	1365.00		NIST Webbook
rinpol	1386.00		NIST Webbook

rinpol	1365.00		NIST Webbook
rinpol	1390.00		NIST Webbook
rinpol	1390.00		NIST Webbook
ripol	1880.00		NIST Webbook
ripol	1880.00		NIST Webbook
ripol	1880.00		NIST Webbook
tb	554.89	K	Joback Method
tc	761.71	K	Joback Method
tf	312.56	K	Joback Method
vc	0.591	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	376.82	J/mol×K	554.89	Joback Method
cpg	392.50	J/mol×K	589.36	Joback Method
cpg	407.36	J/mol×K	623.83	Joback Method
cpg	421.41	J/mol×K	658.30	Joback Method
cpg	434.67	J/mol×K	692.77	Joback Method
cpg	447.17	J/mol×K	727.24	Joback Method
cpg	458.92	J/mol×K	761.71	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C93301&Units=SI
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

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