Pyridine, 2-methoxy-

Other names: 2-Methoxypyridine
Inchi: InChI=1S/C6H7NO/c1-8-6-4-2-3-5-7-6/h2-5H,1H3
InchiKey: IWTFOFMTUOBLHG-UHFFFAOYSA-N
Formula: C6H7NO
SMILES: COc1ccccn1
Mol. weight [g/mol]: 109.13
CAS: 1628-89-3

Physical Properties

Property code	Value	Unit	Source
affp	934.70	kJ/mol	NIST Webbook
basg	902.80	kJ/mol	NIST Webbook
ie	8.70	eV	NIST Webbook
ie	8.82 ± 0.03	eV	NIST Webbook
ie	8.96 ± 0.02	eV	NIST Webbook
ie	8.90 ± 0.10	eV	NIST Webbook
log10ws	-1.36		Crippen Method
logp	1.090		Crippen Method
mcvol	87.490	ml/mol	McGowan Method
ripol	1468.00		NIST Webbook
ripol	1468.00		NIST Webbook
tb	415.70	K	NIST Webbook
tb	415.00 ± 3.00	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	40.50	kJ/mol	321.00	NIST Webbook
hvapt	41.00 ± 3.10	kJ/mol	403.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1628893&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

affp:	Proton affinity
basg:	Gas basicity
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature