

Pyridine, 4-methoxy-

Other names:	«gamma»-Methoxypyridine 4-Methoxypyridine
Inchi:	InChI=1S/C6H7NO/c1-8-6-2-4-7-5-3-6/h2-5H,1H3
InchiKey:	XQABVLBGNWBWIV-UHFFFAOYSA-N
Formula:	C6H7NO
SMILES:	COc1ccncc1
Mol. weight [g/mol]:	109.13
CAS:	620-08-6

Physical Properties

Property code	Value	Unit	Source
affp	961.70	kJ/mol	NIST Webbook
basg	929.80	kJ/mol	NIST Webbook
ie	9.58 ± 0.02	eV	NIST Webbook
log10ws	-1.36		Crippen Method
logp	1.090		Crippen Method
mcvol	87.490	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	47.70 ± 3.10	kJ/mol	403.00	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	464.20	K	98.40	NIST Webbook

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C620086&Units=SI

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
tbrp:	Boiling point at reduced pressure

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