4-METHOXYFORMANILIDE

Other names:	Formamide, N-(4-methoxyphenyl)-
	p-Formanisidide
	N-(4-methoxyphenyl)formamide
Inchi:	InChI=1S/C8H9NO2/c1-11-8-4-2-7(3-5-8)9-6-10/h2-6H,1H3,(H,9,10)
InchiKey:	SXEVZVMJNXOXIJ-UHFFFAOYSA-N
Formula:	C8H9NO2
SMILES:	COc1ccc(NC=O)cc1
Mol. weight [g/mol]:	151.17

Physical Properties

Property code	Value	Unit	Source
hf	-206.08	kJ/mol	Cheméo Relay (1.0)
hfus	18.70	kJ/mol	Joback Method
hvap	76.93	kJ/mol	Cheméo Relay (1.0)
ie	7.88	eV	Cheméo Relay (1.0)
log10ws	-1.77		Cheméo Relay (1.0)
logp	1.263		Crippen Method
mcvol	117.240	ml/mol	McGowan Method
tb	573.12	K	Cheméo Relay (1.0)
tc	797.32	K	Cheméo Relay (1.0)
tf	356.54	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	257.94	J/mol×K	535.35	Joback Method
cpg	269.07	J/mol×K	571.33	Joback Method
cpg	279.57	J/mol×K	607.32	Joback Method
cpg	289.46	J/mol×K	643.30	Joback Method
cpg	298.75	J/mol×K	679.29	Joback Method
cpg	307.45	J/mol×K	715.27	Joback Method
cpg	315.56	J/mol×K	751.26	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5470348&Units=SI

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point