2',6'-Formoxylidide

Other names:	2',6'-Dimethylformanilide
	2,6-Formoxylidide
	2,6-Dimethylformanilide
Inchi:	InChI=1S/C9H11NO/c1-7-4-3-5-8(2)9(7)10-6-11/h3-6H,1-2H3,(H,10,11)
InchiKey:	AJLHOOOTXXVJCZ-UHFFFAOYSA-N
Formula:	C9H11NO
SMILES:	Cc1cccc(C)c1NC=O
Mol. weight [g/mol]:	149.19
CAS:	607-92-1

Physical Properties

Property code	Value	Unit	Source
gf	107.92	kJ/mol	Joback Method
hf	-47.61	kJ/mol	Joback Method
hfus	19.72	kJ/mol	Joback Method
hvap	52.38	kJ/mol	Joback Method
log10ws	-2.21		Crippen Method
logp	1.872		Crippen Method
mcvol	125.460	ml/mol	McGowan Method
pc	3484.76	kPa	Joback Method
tb	540.79	K	Joback Method
tc	756.57	K	Joback Method
tf	337.31	K	Joback Method
vc	0.483	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	278.79	J/mol×K	540.79	Joback Method
cpg	290.82	J/mol×K	576.75	Joback Method
cpg	302.16	J/mol×K	612.72	Joback Method
cpg	312.84	J/mol×K	648.68	Joback Method
cpg	322.87	J/mol×K	684.64	Joback Method
cpg	332.28	J/mol×K	720.61	Joback Method

cpg	341.09	J/mol×K	756.57	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C607921&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume