Formamide, N-(2-methylphenyl)-

Other names:	o-Formotoluidide
	o-Methylformanilide
	o-Tolylformamide
	N-Formyl-o-toluidine
	o-Methyl-N-formylaniline
	N-(2-Methylphenyl)formamide
	2'-Methylformanilide
	2-Methylphenylformamide
	N-Formyl-2-methylaniline
	NSC 406128
Inchi:	InChI=1S/C8H9NO/c1-7-4-2-3-5-8(7)9-6-10/h2-6H,1H3,(H,9,10)
InchiKey:	ZXTLGJAARBNQGK-UHFFFAOYSA-N
Formula:	C8H9NO
SMILES:	Cc1ccccc1N=CO
Mol. weight [g/mol]:	135.16
CAS:	94-69-9

Physical Properties

Property code	Value	Unit	Source
hf	-53.40	kJ/mol	Joback Method
hvap	56.33	kJ/mol	Joback Method
log10ws	-1.92		Crippen Method
logp	2.213		Crippen Method
mcvol	111.370	ml/mol	McGowan Method
pc	3530.46	kPa	Joback Method
rinpol	1282.00		NIST Webbook
rinpol	1283.00		NIST Webbook
rinpol	1282.00		NIST Webbook
tb	582.96	K	Joback Method
tc	798.49	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C94699&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

hf:	Enthalpy of formation 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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature