2-Chloro-2',6'-acetoxylidide

Other names:	N-Chloroacetyl-2,6-dimethylaniline
	Acetamide, 2-chloro-N-(2,6-dimethylphenyl)-
	Chloroaceto-2,6-xylidide
	1-Chloroacetylamino-2,6-dimethylbenzene
	2-Chloro-N-(2,6-dimethylphenyl)acetamide
	2-Chloro-2',6'-dimethylacetanilide
	2-Chloroaceto-2,6-xylidide
	2',6'-Acetoxylidide, 2-chloro-
	Chloroacet-2,6-xylidide
	Chloroacetamido-2,6-xylidine
	NSC 37260
Inchi:	InChI=1S/C10H12ClNO/c1-7-4-3-5-8(2)10(7)12-9(13)6-11/h3-5H,6H2,1-2H3,(H,12,13)
InchiKey:	FPQQSNUTBWFFLB-UHFFFAOYSA-N
Formula:	C10H12ClNO
SMILES:	Cc1cccc(C)c1N=C(O)CCl
Mol. weight [g/mol]:	197.66
CAS:	1131-01-7

Physical Properties

Property code	Value	Unit	Source
hf	-131.68	kJ/mol	Joback Method
hvap	65.91	kJ/mol	Joback Method
log10ws	-2.96		Crippen Method
logp	3.130		Crippen Method
mcvol	151.790	ml/mol	McGowan Method
pc	2707.03	kPa	Joback Method
tb	671.01	K	Joback Method
tc	887.30	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1131017&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature