5-Chloro-2-trichloromethyl pyridine

Other names:	Pyridine, 2-chloro-5-(trichloromethyl)-
	2-chloro-5-trichloromethyl-pyridine
Inchi:	InChI=1S/C6H3Cl4N/c7-4-1-2-5(11-3-4)6(8,9)10/h1-3H
InchiKey:	NCMBQFDKWHROST-UHFFFAOYSA-N
Formula:	C6H3Cl4N
SMILES:	Clc1ccc(C(Cl)(Cl)Cl)nc1
Mol. weight [g/mol]:	230.91
CAS:	69045-78-9

Physical Properties

Property code	Value	Unit	Source
hvap	52.51	kJ/mol	NIST Webbook
log10ws	-3.92		Crippen Method
logp	3.562		Crippen Method
mcvol	130.580	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	14.50	kJ/mol	212.50	NIST Webbook

Sources

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=C69045789&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hfust:	Enthalpy of fusion at a given temperature
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