

# 2-(Trichloromethyl)pyridine

<b>Inchi:</b>	InChI=1S/C6H4Cl3N/c7-6(8,9)5-3-1-2-4-10-5/h1-4H
<b>InchiKey:</b>	KAQJMEHRXVENSF-UHFFFAOYSA-N
<b>Formula:</b>	C6H4Cl3N
<b>SMILES:</b>	C1C(Cl)(Cl)C1ccccn1
<b>Mol. weight [g/mol]:</b>	196.46
<b>CAS:</b>	4377-37-1

## Physical Properties

Property code	Value	Unit	Source
hvap	43.60	kJ/mol	NIST Webbook
log10ws	-3.24		Crippen Method
logp	2.908		Crippen Method
mcvol	118.340	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C4377371&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4377371&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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