

# Thiophene, 2,5-dichloro-

<b>Other names:</b>	2,5-Dichlorothiophene
<b>Inchi:</b>	InChI=1S/C4H2Cl2S/c5-3-1-2-4(6)7-3/h1-2H
<b>InchiKey:</b>	FGYBDASKYMSNCX-UHFFFAOYSA-N
<b>Formula:</b>	C4H2Cl2S
<b>SMILES:</b>	Clc1ccc(Cl)s1
<b>Mol. weight [g/mol]:</b>	153.03
<b>CAS:</b>	3172-52-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.60		Crippen Method
logp	3.055		Crippen Method
mvol	88.590	ml/mol	McGowan Method

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.38095e+01
Coeff. B	-3.96084e+03
Coeff. C	-4.21200e+00
Temperature range (K), min.	297.13
Temperature range (K), max.	470.30

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<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=C3172529&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3172529&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pvap:</b>	Vapor pressure

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