

# 4-Bromo-2,5-dichlorothiophene-3-sulphonyl chloride

Inchi:	InChI=1S/C4BrCl3O2S2/c5-1-2(12(8,9)10)4(7)11-3(1)6
InchiKey:	NAHZODWKWDZKSZ-UHFFFAOYSA-N
Formula:	C4BrCl3O2S2
SMILES:	O=S(=O)(Cl)c1c(Cl)sc(Cl)c1Br
Mol. weight [g/mol]:	330.44
CAS:	166964-36-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.18		Crippen Method
logp	3.745		Crippen Method
mcvol	146.420	ml/mol	McGowan Method

## Sources

Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C166964369&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C166964369&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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