

2,3-Dichlorothiophene-5-sulfonyl chloride

Inchi: InChI=1S/C4HCl3O2S2/c5-2-1-3(10-4(2)6)11(7,8)9/h1H
InchiKey: IVTWLTRKVRJPNG-UHFFFAOYSA-N
Formula: C4HCl3O2S2
SMILES: O=S(=O)(Cl)c1cc(Cl)c(Cl)s1
Mol. weight [g/mol]: 251.54
CAS: 126714-85-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.02		Crippen Method
logp	2.982		Crippen Method
mcvol	128.920	ml/mol	McGowan Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C126714850&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/123-920-3/2-3-Dichlorothiophene-5-sulfonyl-chloride.pdf>

Generated by Cheméo on 2024-05-15 03:02:46.069944369 +0000 UTC m=+18031414.990521691.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.