

2,3-Dibromothiophene-5-sulfonyl chloride

Other names:	4,5-Dibromothiophene-2-sulfonyl chloride
Inchi:	InChI=1S/C4HBr2ClO2S2/c5-2-1-3(10-4(2)6)11(7,8)9/h1H
InchiKey:	WJYGHWXWQSCONR-UHFFFAOYSA-N
Formula:	C4HBr2ClO2S2
SMILES:	O=S(=O)(Cl)c1cc(Br)c(Br)s1
Mol. weight [g/mol]:	340.44
CAS:	81606-31-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.97		Crippen Method
logp	3.201		Crippen Method
mcvol	139.440	ml/mol	McGowan Method

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=C81606317&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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