

# 4-(3-hydroxyphenyl)sulfonylthiophene-2-sulfonamide

**Inchi:** InChI=1S/C10H9NO5S3/c11-19(15,16)10-5-9(6-17-10)18(13,14)8-3-1-2-7(12)4-8/h1-6,12  
**InchiKey:** LRQUYRADZABVMX-UHFFFAOYSA-N  
**Formula:** C10H9NO5S3  
**SMILES:** NS(=O)(=O)c1cc(S(=O)(=O)c2cccc(O)c2)cs1  
**Mol. weight [g/mol]:** 319.38

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.72		Aqueous Solubility Prediction Method
logp	0.934		Crippen Method
mcvol	196.920	ml/mol	McGowan Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Aqueous Solubility Prediction Method:** <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDataset002.xlsx>  
**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

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