

# 2-Dibenzofuransulfonic acid

<b>Other names:</b>	Dibenzofuran-2-sulphonic acid dibenzofuran-2-sulfonic acid
<b>Inchi:</b>	InChI=1S/C12H8O4S/c13-17(14,15)8-5-6-12-10(7-8)9-3-1-2-4-11(9)16-12/h1-7H,(H,13,1
<b>InchiKey:</b>	JANFYPHFIPGYTQ-UHFFFAOYSA-N
<b>Formula:</b>	C12H8O4S
<b>SMILES:</b>	O=S(=O)(O)c1ccc2oc3ccccc3c2c1
<b>Mol. weight [g/mol]:</b>	248.25
<b>CAS:</b>	83863-63-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.47		Aqueous Solubility Prediction Method
logp	2.833		Crippen Method
mcvol	161.390	ml/mol	McGowan Method

## Sources

<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=C83863632&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C83863632&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Aqueous Solubility Prediction Method:</b>	<a href="http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa">http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa</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

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