

# Pyridine, 2,2'-dithiobis-

<b>Other names:</b>	Aldrithiol 2 Bis(2-pyridinyl) disulfide Bis(2-pyridyl) disulfide 2,2'-Dipyridinyl disulfide Di-2-Pyridyl disulfide 2,2'-Dipyridyl disulfide 2,2'-Dithiobis(pyridine) 2,2'-Dithiodipyridine Pyridine, 2,2'-dithiodi- 2-Pyridyl disulfide Aldrithol-2 2-Dipyridyl disulfide 2PDS NSC 677438 2-Pyridinyl disulfide NSC 94055
<b>Inchi:</b>	InChI=1S/C10H8N2S2/c1-3-7-11-9(5-1)13-14-10-6-2-4-8-12-10/h1-8H
<b>InchiKey:</b>	HAXFWIACAGNFHA-UHFFFAOYSA-N
<b>Formula:</b>	C10H8N2S2
<b>SMILES:</b>	<chem>c1ccc(SSc2ccccc2)nc1</chem>
<b>Mol. weight [g/mol]:</b>	220.31
<b>CAS:</b>	2127-03-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.29		Crippen Method
logp	3.276		Crippen Method
mvol	156.900	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=C2127039&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2127039&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>

**Crippen Method:**

[https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

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

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<https://www.chemeo.com/cid/24-210-1/Pyridine-2-2-dithiobis.pdf>

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