# bis(2-methyl-3-furyl) disulfide

**Inchi:** InChI=1S/C9H8O2S2/c1-7-9(3-5-11-7)13-12-8-2-4-10-6-8/h2-6H,1H3
**InchiKey:** ZZONAHHQTRFZLU-UHFFFAOYSA-N
**Formula:** C9H8O2S2
**SMILES:** Cc1occc1SSc1ccoc1
**Mol. weight [g/mol]:** 212.29

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -12.70 | | Crippen Method |
| logp | 3.980 | | Crippen Method |
| mcvol | 143.190 | ml/mol | McGowan Method |
| rinpol | 1542.00 | | NIST Webbook |
| rinpol | 1547.00 | | NIST Webbook |
| rinpol | 1508.00 | | NIST Webbook |
| rinpol | 1508.00 | | NIST Webbook |
| rinpol | 1520.00 | | NIST Webbook |
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| ripol | 2141.00 | | NIST Webbook |
| ripol | 2145.00 | | NIST Webbook |

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|---|---|---|
| ripol | 2127.00 | NIST Webbook |
| ripol | 2150.00 | NIST Webbook |

# 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=R69671&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

| | |
|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **rinpol:** | Non-polar retention indices |
| **ripol:** | Polar retention indices |

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https://www.chemeo.com/cid/53-794-2/bis-2-methyl-3-furyl-disulfide.pdf

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