# 2,3'-Bithiophene

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|---|---|
| **Other names:** | 2,3'-Bithienyl |
| | 2,3'-Dithienyl |
| **Inchi:** | InChI=1S/C8H6S2/c1-2-8(10-4-1)7-3-5-9-6-7/h1-6H |
| **InchiKey:** | ILQGHVXNYGLZSR-UHFFFAOYSA-N |
| **Formula:** | C8H6S2 |
| **SMILES:** | c1csc(-c2ccsc2)c1 |
| **Mol. weight [g/mol]:** | 166.26 |
| **CAS:** | 2404-89-9 |

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| ie | 7.91 | eV | NIST Webbook |
| log10ws | -3.59 | | Crippen Method |
| logp | 3.477 | | Crippen Method |
| mcvol | 117.360 | ml/mol | McGowan Method |

## Sources

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|---|---|
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **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=C2404899&Units=SI |

## Legend

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

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