

# 2,3,4-trimethylfuran

**Inchi:** InChI=1S/C7H10O/c1-5-4-8-7(3)6(5)2/h4H,1-3H3  
**InchiKey:** MNBYRCAFWIZFJM-UHFFFAOYSA-N  
**Formula:** C7H10O  
**SMILES:** Cc1coc(C)c1C  
**Mol. weight [g/mol]:** 110.15

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -6.63   |        | Crippen Method |
| logp          | 2.205   |        | Crippen Method |
| mcvol         | 95.900  | ml/mol | McGowan Method |
| ripol         | 1076.00 |        | NIST Webbook   |
| ripol         | 1076.00 |        | NIST Webbook   |
| ripol         | 1076.00 |        | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R296727&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**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  
**ripol:** Polar retention indices

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