# Furan, 2-acetyl-3-methyl

**Other names:** 2-acetyl-3-methylfuran
**Inchi:** InChI=1S/C7H8O2/c1-5-3-4-9-7(5)6(2)8/h3-4H,1-2H3
**InchiKey:** RJBGVAIXGHZIDY-UHFFFAOYSA-N
**Formula:** C7H8O2
**SMILES:** CC(=O)c1occc1C
**Mol. weight [g/mol]:** 124.14

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -6.34 | | Crippen Method |
| logp | 1.791 | | Crippen Method |
| mcvol | 97.470 | ml/mol | McGowan Method |
| ripol | 1601.00 | | NIST Webbook |
| ripol | 1601.00 | | NIST Webbook |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R211464&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** 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
**ripol:** Polar retention indices