# 1-(5-methyl-2-furanyl)-2-butanone

**Inchi:** InChI=1S/C9H12O2/c1-3-8(10)6-9-5-4-7(2)11-9/h4-5H,3,6H2,1-2H3
**InchiKey:** ZPAROSZTOGYLPX-UHFFFAOYSA-N
**Formula:** C9H12O2
**SMILES:** CCC(=O)Cc1ccc(C)o1
**Mol. weight [g/mol]:** 152.19

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -6.60 | | Crippen Method |
| logp | 2.110 | | Crippen Method |
| mcvol | 125.650 | ml/mol | McGowan Method |
| ripol | 1641.00 | | NIST Webbook |
| ripol | 1636.00 | | NIST Webbook |
| ripol | 1641.00 | | NIST Webbook |
| ripol | 1642.00 | | NIST Webbook |
| ripol | 1643.00 | | NIST Webbook |
| ripol | 1647.00 | | NIST Webbook |
| ripol | 1636.00 | | NIST Webbook |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R491348&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