# 1-(Furan-2-yl)-2-methylpentan-1-one

**Inchi:** InChI=1S/C10H14O2/c1-3-5-8(2)10(11)9-6-4-7-12-9/h4,6-8H,3,5H2,1-2H3
**InchiKey:** ZONAONHRDHDNFB-UHFFFAOYSA-N
**Formula:** C10H14O2
**SMILES:** CCCC(C)C(=O)c1ccco1
**Mol. weight [g/mol]:** 166.22
**CAS:** 1248070-62-3

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -7.30 | | Crippen Method |
| logp | 2.898 | | Crippen Method |
| mcvol | 139.740 | ml/mol | McGowan Method |
| rinpol | 1267.90 | | NIST Webbook |
| rinpol | 1267.90 | | NIST Webbook |

## Sources

**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=C1248070623&Units=SI

## Legend

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