# 4-Methyl-2-phenyl-1,2,3-triazole-5-carboxylic acid

**Other names:** 4-Methyl-2-phenyl-1,2,3-triazole-5-carboxylic acid
**Inchi:** InChI=1S/C10H9N3O2/c1-7-9(10(14)15)12-13(11-7)8-5-3-2-4-6-8/h2-6H,1H3,(H,14,15)
**InchiKey:** GQYQHAGPALBYDO-UHFFFAOYSA-N
**Formula:** C10H9N3O2
**SMILES:** Cc1nn(-c2ccccc2)nc1C(=O)O
**Mol. weight [g/mol]:** 203.20

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -2.16 | | Cheméo Relay (1.0) |
| logp | 1.274 | | Crippen Method |
| mcvol | 145.920 | ml/mol | McGowan Method |
| tb | 614.79 | K | Cheméo Relay (1.0) |
| tf | 449.05 | K | Cheméo Relay (1.0) |

## Sources

**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**Cheméo Relay (1.0):**
**Cheméo Relay (1.0, beta):**
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C22300567&Units=SI
**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
**tb:** Normal Boiling Point Temperature
**tf:** Normal melting (fusion) point