# 1,2,4-Oxadiazole, 3-methyl-5-phenyl-

**Other names:** 3-Methyl-5-phenyl-1,2,4-oxadiazole
**Inchi:** InChI=1S/C9H8N2O/c1-7-10-9(12-11-7)8-5-3-2-4-6-8/h2-6H,1H3
**InchiKey:** ZTWRWSTUMWZTAU-UHFFFAOYSA-N
**Formula:** C9H8N2O
**SMILES:** Cc1noc(-c2ccccc2)n1
**Mol. weight [g/mol]:** 160.17
**CAS:** 1199-00-4

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| chs | -4788.20 ± 5.40 | kJ/mol | NIST Webbook |
| log10ws | -7.82 | | Crippen Method |
| logp | 2.045 | | Crippen Method |
| mcvol | 120.280 | ml/mol | McGowan Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C1199004&Units=SI
**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

## Legend

**chs:** Standard solid enthalpy of combustion
**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume