

2-Morpholinone, 4-phenyl-

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|-----------------------------|--|
| Inchi: | InChI=1S/C10H11NO2/c12-10-8-11(6-7-13-10)9-4-2-1-3-5-9/h1-5H,6-8H2 |
| InchiKey: | PQJKFWVFRHRHDV-UHFFFAOYSA-N |
| Formula: | C10H11NO2 |
| SMILES: | O=C1CN(c2ccccc2)CCO1 |
| Mol. weight [g/mol]: | 177.20 |
| CAS: | 18425-34-8 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | -0.97 | | Crippen Method |
| logp | 1.050 | | Crippen Method |
| mcvol | 134.560 | ml/mol | McGowan Method |

Sources

| | |
|------------------------|---|
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C18425348&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| 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 |

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<https://www.chemeo.com/cid/94-478-8/2-Morpholinone-4-phenyl.pdf>

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