

# 7-Quinolinol

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Other names:         | 7-Hydroxyquinoline<br>quinolin-7-ol                   |
| Inchi:               | InChI=1S/C9H7NO/c11-8-4-3-7-2-1-5-10-9(7)6-8/h1-6,11H |
| InchiKey:            | XCRPPAPDRUBKRJ-UHFFFAOYSA-N                           |
| Formula:             | C9H7NO                                                |
| SMILES:              | Oc1ccc2cccn2c1                                        |
| Mol. weight [g/mol]: | 145.16                                                |
| CAS:                 | 580-20-1                                              |

## Physical Properties

| Property code | Value         | Unit   | Source         |
|---------------|---------------|--------|----------------|
| log10ws       | -2.59         |        | Crippen Method |
| logp          | 1.940         |        | Crippen Method |
| mcvol         | 110.300       | ml/mol | McGowan Method |
| tf            | 511.00 ± 3.00 | K      | NIST Webbook   |

## Sources

|                 |                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C580201&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C580201&amp;Units=SI</a> |
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                 |
| Crippen Method: | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                         |
| McGowan Method: | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                     |

## Legend

|          |                                     |
|----------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l  |
| logp:    | Octanol/Water partition coefficient |
| mcvol:   | McGowan's characteristic volume     |
| tf:      | Normal melting (fusion) point       |

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