

# N-(2-PYRIDYL)ACETAMIDE

**Inchi:** InChI=1S/C7H8N2O/c1-6(10)9-7-4-2-3-5-8-7/h2-5H,1H3,(H,8,9,10)  
**InchiKey:** QROKOTBWFZITJZ-UHFFFAOYSA-N  
**Formula:** C7H8N2O  
**SMILES:** CC(=O)Nc1ccccn1  
**Mol. weight [g/mol]:** 136.15

## Physical Properties

| Property code | Value   | Unit   | Source             |
|---------------|---------|--------|--------------------|
| hvap          | 71.76   | kJ/mol | Cheméo Relay (1.0) |
| ie            | 8.71    | eV     | Cheméo Relay (1.0) |
| log10ws       | -0.74   |        | Cheméo Relay (1.0) |
| logp          | 1.040   |        | Crippen Method     |
| mcvol         | 107.260 | ml/mol | McGowan Method     |
| tb            | 530.66  | K      | Cheméo Relay (1.0) |
| tf            | 351.04  | K      | Cheméo Relay (1.0) |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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?Str2File=C5231969>  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## Legend

**hvap:** Enthalpy of vaporization at standard conditions  
**ie:** Ionization energy  
**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

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