

# (CH<sub>3</sub>)<sub>2</sub>N-CH=N-phenyl

**Inchi:** InChI=1S/C9H12N2/c1-11(2)8-10-9-6-4-3-5-7-9/h3-8H,1-2H3/b10-8+  
**InchiKey:** SRPCLECGIYMIMN-CSKARUKUSA-N  
**Formula:** C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>  
**SMILES:** CN(C)C=Nc1ccccc1  
**Mol. weight [g/mol]:** 148.21  
**CAS:** 56687-95-7

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| affp          | 983.80  | kJ/mol | NIST Webbook   |
| basg          | 951.30  | kJ/mol | NIST Webbook   |
| hf            | 157.19  | kJ/mol | Joback Method  |
| hvap          | 43.26   | kJ/mol | Joback Method  |
| log10ws       | -1.52   |        | Crippen Method |
| logp          | 1.908   |        | Crippen Method |
| mcvol         | 129.570 | ml/mol | McGowan Method |
| pc            | 2896.73 | kPa    | Joback Method  |
| tb            | 521.12  | K      | Joback Method  |
| tc            | 745.87  | K      | Joback Method  |

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C56687957&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**affp:** Proton affinity

|                 |   |
|-----------------|---|
| <b>basg:</b>    | Gas basicity                                    |
| <b>hf:</b>      | Enthalpy of formation at standard conditions    |
| <b>hvac:</b>    | Enthalpy of vaporization at standard conditions |
| <b>log10ws:</b> | Log10 of Water solubility in mol/l              |
| <b>logp:</b>    | Octanol/Water partition coefficient             |
| <b>mcvol:</b>   | McGowan's characteristic volume                 |
| <b>pc:</b>      | Critical Pressure                               |
| <b>tb:</b>      | Normal Boiling Point Temperature                |
| <b>tc:</b>      | Critical Temperature                            |

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