

# Dimethylamine, n-nitroso-, d6

|                             |   |
|-----------------------------|---|
| <b>Inchi:</b>               | InChI=1S/C2H6N2O/c1-4(2)3-5/h1-2H3/i1D3,2D3 |
| <b>InchiKey:</b>            | UMFJAHHVKNCGLG-WFGJKAKNSA-N                 |
| <b>Formula:</b>             | C2D6N2O                                     |
| <b>SMILES:</b>              | CN(C)N=O                                    |
| <b>Mol. weight [g/mol]:</b> | 80.12                                       |

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| hf            | -185.27 | kJ/mol | Joback Method  |
| hvap          | 31.19   | kJ/mol | Joback Method  |
| log10ws       | -0.41   |        | Crippen Method |
| logp          | 0.229   |        | Crippen Method |
| mcvol         | 60.570  | ml/mol | McGowan Method |
| pc            | 4890.21 | kPa    | Joback Method  |
| tb            | 321.00  | K      | Joback Method  |
| tc            | 487.31  | K      | Joback Method  |

## Sources

|                        |   |
|------------------------|---|
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>                                   |
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                           |
| <b>Joback Method:</b>  | <a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>                                       |
| <b>McGowan Method:</b> | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                       |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=B6009735&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6009735&amp;Units=SI</a> |

## Legend

|                 |   |
|-----------------|---|
| <b>hf:</b>      | Enthalpy of formation at standard conditions    |
| <b>hvap:</b>    | Enthalpy of vaporization at standard conditions |
| <b>log10ws:</b> | Log10 of Water solubility in mol/l              |
| <b>logp:</b>    | Octanol/Water partition coefficient             |

**mcvol:** McGowan's characteristic volume  
**pc:** Critical Pressure  
**tb:** Normal Boiling Point Temperature  
**tc:** Critical Temperature

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