# Piperazine, 1,2,4-trimethyl-

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|---|---|
| **Other names:** | 1,2,4-Trimethylpiperazine |
| | Trimethylpiperazine |
| **Inchi:** | InChI=1S/C7H16N2/c1-7-6-8(2)4-5-9(7)3/h7H,4-6H2,1-3H3 |
| **InchiKey:** | UAIVFDJJMVMUGY-UHFFFAOYSA-N |
| **Formula:** | C7H16N2 |
| **SMILES:** | CC1CN(C)CCN1C |
| **Mol. weight [g/mol]:** | 128.22 |
| **CAS:** | 120-85-4 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | 0.10 | | Crippen Method |
| logp | 0.252 | | Crippen Method |
| mcvol | 118.590 | ml/mol | McGowan Method |

# Correlations

| Information | Value |
|---|---|
| Property code | pvap |
| Equation | ln(Pvp) = A + B/(T + C) |
| Coeff. A | 1.18313e+01 |
| Coeff. B | -3.00914e+03 |
| Coeff. C | -5.86470e+01 |
| Temperature range (K), min. | 276.53 |
| Temperature range (K), max. | 520.18 |

# Sources

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|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C120854&Units=SI |
| **The Yaws Handbook of Vapor Pressure:** | https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

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|---|---|
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |

# Legend

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|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **pvap:** | Vapor pressure |