

Pyridine, 2-ethyl-6-methyl-

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|-----------------------------|--|
| Other names: | 2-Ethyl-6-methylpyridine 2-Methyl-6-ethylpyridine 2-Picoline, 6-ethyl- 6-Ethyl-2-methylpyridine 6-Ethyl-2-picoline Pyridine, 2-methyl-6-ethyl |
| Inchi: | InChI=1S/C8H11N/c1-3-8-6-4-5-7(2)9-8/h4-6H,3H2,1-2H3 |
| InchiKey: | SFSXNVBMAODLGN-UHFFFAOYSA-N |
| Formula: | C8H11N |
| SMILES: | CCc1cccc(C)n1 |
| Mol. weight [g/mol]: | 121.18 |
| CAS: | 1122-69-6 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------------|--------|----------------|
| log10ws | -2.52 | | Crippen Method |
| logp | 1.952 | | Crippen Method |
| mcvol | 109.800 | ml/mol | McGowan Method |
| rinpol | 960.00 | | NIST Webbook |
| rinpol | 971.00 | | NIST Webbook |
| rinpol | 962.00 | | NIST Webbook |
| ripol | 1317.00 | | NIST Webbook |
| ripol | 1290.00 | | NIST Webbook |
| ripol | 1292.00 | | NIST Webbook |
| ripol | 1292.00 | | NIST Webbook |
| ripol | 1294.00 | | NIST Webbook |
| ripol | 1292.00 | | NIST Webbook |
| tb | 433.15 ± 1.50 | K | NIST Webbook |

Correlations

| Information | Value |
|---------------|-------------------------------|
| Property code | pvap |
| Equation | $\ln(P_{vp}) = A + B/(T + C)$ |

| | |
|-----------------------------|--------------|
| Coeff. A | 1.31463e+01 |
| Coeff. B | -3.34603e+03 |
| Coeff. C | -6.17050e+01 |
| Temperature range (K), min. | 321.92 |
| Temperature range (K), max. | 488.78 |

Sources

| | |
|---|---|
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C1122696&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/ci9903071 |
| Crippen Method: | https://www.cheméo.com/doc/models/crippen_log10ws |
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |

Legend

| | |
|-----------------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |
| mcvol: | McGowan's characteristic volume |
| pvap: | Vapor pressure |
| rinpol: | Non-polar retention indices |
| ripol: | Polar retention indices |
| tb: | Normal Boiling Point Temperature |

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