# 2-Pyridinealdoxime

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|---|---|
| **Other names:** | 2-Formylpyridine ketoxime |
| | 2-Formylpyridine oxime |
| | 2-Hydroxyiminomethyl pyridine |
| | 2-Pyridinaldoxime |
| | 2-Pyridinecarbaldehyde oxime |
| | 2-Pyridinecarboxaldehyde, oxime |
| | 2-Pyridinecarboxaldoxime |
| | 2-Pyridylaldoxime |
| | NSC 66484 |
| | P-2-A |
| | Picolinaldehyde, oxime |
| | Picolinaldoxime |
| | Picolinealdehyde, oxime |
| | Pyridine-2-aldoxime |
| | Pyridine-2-carboxaldoxime |
| | pyridine-2-carbaldehyde oxime |
| | «alpha»-Picolinealdoxime |
| | Â«alphaÂ»-Picolinealdoxime |
| **Inchi:** | InChI=1S/C6H6N2O/c9-8-5-6-3-1-2-4-7-6/h1-5,9H |
| **InchiKey:** | MTFJSAGADRTKCI-UHFFFAOYSA-N |
| **Formula:** | C6H6N2O |
| **SMILES:** | ON=Cc1ccccn1 |
| **Mol. weight [g/mol]:** | 122.12 |
| **CAS:** | 873-69-8 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 19.98 | kJ/mol | Low-temperature heat capacity and standard molar enthalpy of formation of crystalline 2-pyridinealdoxime (C6H6N2O) |
| log10ws | -0.54 | | Crippen Method |
| logp | 0.890 | | Crippen Method |
| mcvol | 93.170 | ml/mol | McGowan Method |

# Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| hfust | 19.98 | kJ/mol | 388.00 | NIST Webbook |

# Sources

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|---|---|
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Low-temperature heat capacity and standard molar enthalpy of formation of crystalline 2-pyridinealdoxime (C6H6N2O):** | https://www.doi.org/10.1016/j.jct.2006.09.016 |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C873698&Units=SI |

# Legend

| | |
|---|---|
| **hfus:** | Enthalpy of fusion at standard conditions |
| **hfust:** | Enthalpy of fusion at a given temperature |
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |