

Benzaldehyde, 4-methoxy-, oxime

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| Other names: | p-Anisaldehyde, oxime p-Methoxybenzaldehyde oxime p-Methoxybenzaldoxime Anisaldoxime 4-Methoxybenzaldehyde oxime 4-Methoxybenzaldoxime 4-Methoxy-benzaldoxim |
| Inchi: | InChI=1S/C8H9NO2/c1-11-8-4-2-7(3-5-8)6-9-10/h2-6,10H,1H3 |
| InchiKey: | FXOSHPAYNZBSFO-UHFFFAOYSA-N |
| Formula: | C8H9NO2 |
| SMILES: | COc1ccc(C=NO)cc1 |
| Mol. weight [g/mol]: | 151.16 |
| CAS: | 3235-04-9 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| hf | -185.62 | kJ/mol | Joback Method |
| hvap | 58.74 | kJ/mol | Joback Method |
| log10ws | -0.90 | | Crippen Method |
| logp | 1.503 | | Crippen Method |
| mcvol | 117.240 | ml/mol | McGowan Method |
| pc | 3460.21 | kPa | Joback Method |
| tb | 605.38 | K | Joback Method |
| tc | 818.43 | K | Joback Method |

Sources

| | |
|------------------------|---|
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C3235049&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| Joback Method: | https://en.wikipedia.org/wiki/Joback_method |

Legend

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

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