# 2-Octyl nitrite

**Inchi:** InChI=1S/C8H17NO2/c1-3-4-5-6-7-8(2)11-9-10/h8H,3-7H2,1-2H3
**InchiKey:** WQDGUYZIAJKLAB-UHFFFAOYSA-N
**Formula:** C8H17NO2
**SMILES:** CCCCCCC(C)ON=O
**Mol. weight [g/mol]:** 159.23

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -514.14 | kJ/mol | Joback Method |
| hvap | 44.52 | kJ/mol | Joback Method |
| log10ws | -3.55 | | Crippen Method |
| logp | 3.043 | | Crippen Method |
| mcvol | 141.000 | ml/mol | McGowan Method |
| pc | 2467.81 | kPa | Joback Method |
| ripol | 1115.00 | | NIST Webbook |
| tb | 467.82 | K | Joback Method |
| tc | 636.88 | K | Joback Method |

# Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R311509&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**Joback Method:** https://en.wikipedia.org/wiki/Joback_method
**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772

# 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 |
| **ripol:** | Polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |

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