# Methoxyacetamide, N,N-dihexyl-

**Inchi:** InChI=1S/C15H31NO2/c1-4-6-8-10-12-16(15(17)14-18-3)13-11-9-7-5-2/h4-14H2,1-3H3
**InchiKey:** FPALQRVJINGISK-UHFFFAOYSA-N
**Formula:** C15H31NO2
**SMILES:** CCCCCCN(CCCCCC)C(=O)COC
**Mol. weight [g/mol]:** 257.41

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -47.72 | kJ/mol | Joback Method |
| hf | -530.20 | kJ/mol | Joback Method |
| hfus | 40.41 | kJ/mol | Joback Method |
| hvap | 60.18 | kJ/mol | Joback Method |
| log10ws | -3.53 | | Crippen Method |
| logp | 3.622 | | Crippen Method |
| mcvol | 239.630 | ml/mol | McGowan Method |
| pc | 1463.49 | kPa | Joback Method |
| rinpol | 1837.00 | | NIST Webbook |
| rinpol | 1837.00 | | NIST Webbook |
| tb | 631.33 | K | Joback Method |
| tc | 798.13 | K | Joback Method |
| tf | 363.44 | K | Joback Method |
| vc | 0.917 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 660.66 | J/mol×K | 631.33 | Joback Method |
| cpg | 678.37 | J/mol×K | 659.13 | Joback Method |
| cpg | 695.32 | J/mol×K | 686.93 | Joback Method |
| cpg | 711.52 | J/mol×K | 714.73 | Joback Method |
| cpg | 726.99 | J/mol×K | 742.53 | Joback Method |
| cpg | 741.74 | J/mol×K | 770.33 | Joback Method |
| cpg | 755.80 | J/mol×K | 798.13 | Joback Method |

# Sources

| | |
|---|---|
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=U308492&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# Legend

| | |
|---|---|
| **cpg:** | Ideal gas heat capacity |
| **gf:** | Standard Gibbs free energy of formation |
| **hf:** | Enthalpy of formation at standard conditions |
| **hfus:** | Enthalpy of fusion 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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |
| **tf:** | Normal melting (fusion) point |
| **vc:** | Critical Volume |