# 9-METHOXYFLUORENE

**Inchi:** InChI=1S/C14H12O/c1-15-14-12-8-4-2-6-10(12)11-7-3-5-9-13(11)14/h2-9,14H,1H3
**InchiKey:** JGLHXBNHKQAROV-UHFFFAOYSA-N
**Formula:** C14H12O
**SMILES:** COC1c2ccccc2-c2ccccc21
**Mol. weight [g/mol]:** 196.25

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 27.41 | kJ/mol | Cheméo Relay (1.0) |
| hfus | 22.84 | kJ/mol | Joback Method |
| hvap | 80.03 | kJ/mol | Cheméo Relay (1.0) |
| ie | 8.11 | eV | Cheméo Relay (1.0) |
| logp | 3.403 | | Crippen Method |
| mcvol | 155.610 | ml/mol | McGowan Method |
| tf | 366.88 | K | Cheméo Relay (1.0) |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 380.11 | J/mol×K | 603.66 | Joback Method |
| cpg | 456.86 | J/mol×K | 842.43 | Joback Method |
| cpg | 446.29 | J/mol×K | 802.63 | Joback Method |
| cpg | 434.97 | J/mol×K | 762.84 | Joback Method |
| cpg | 422.79 | J/mol×K | 723.04 | Joback Method |
| cpg | 409.65 | J/mol×K | 683.25 | Joback Method |
| cpg | 395.46 | J/mol×K | 643.45 | Joback Method |
| dvisc | 0.0007754 | Pa×s | 488.15 | Joback Method |
| dvisc | 0.0005728 | Pa×s | 603.66 | Joback Method |
| dvisc | 0.0006250 | Pa×s | 565.16 | Joback Method |
| dvisc | 0.0006907 | Pa×s | 526.65 | Joback Method |
| dvisc | 0.0012665 | Pa×s | 372.63 | Joback Method |
| dvisc | 0.0008880 | Pa×s | 449.64 | Joback Method |
| dvisc | 0.0010430 | Pa×s | 411.13 | Joback Method |

# Sources

| | |
|---|---|
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Cheméo Relay (1.0):** | |
| **Cheméo Relay (1.0, beta):** | |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C19126159&Units=SI |
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |

# Legend

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **dvisc:** | Dynamic viscosity |
| **hf:** | Enthalpy of formation at standard conditions |
| **hfus:** | Enthalpy of fusion at standard conditions |
| **hvap:** | Enthalpy of vaporization at standard conditions |
| **ie:** | Ionization energy |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **tf:** | Normal melting (fusion) point |