# LEVOPHACETOPERANE

**Other names:** 1-Phenyl-1-(2'-piperidyl)-1-acetoxymethane
Phacetoperane
RP-8228
**Inchi:** InChI=1S/C14H19NO2/c1-11(16)17-14(12-7-3-2-4-8-12)13-9-5-6-10-15-13/h2-4,7-8,13-1
**InchiKey:** BKPLVPRTTWIDNL-UHFFFAOYSA-N
**Formula:** C14H19NO2
**SMILES:** CC(=O)OC(c1ccccc1)C1CCCCN1
**Mol. weight [g/mol]:** 233.31

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -333.05 | kJ/mol | Cheméo Relay (1.0) |
| hfus | 26.75 | kJ/mol | Joback Method |
| logp | 2.433 | | Crippen Method |
| mcvol | 190.920 | ml/mol | McGowan Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 535.99 | J/mol×K | 690.35 | Joback Method |
| cpg | 555.28 | J/mol×K | 730.72 | Joback Method |
| cpg | 573.06 | J/mol×K | 771.10 | Joback Method |
| cpg | 589.39 | J/mol×K | 811.47 | Joback Method |
| cpg | 604.30 | J/mol×K | 851.85 | Joback Method |
| cpg | 617.83 | J/mol×K | 892.22 | Joback Method |
| cpg | 630.00 | J/mol×K | 932.60 | Joback Method |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

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|---|---|
| **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=C24558018&Units=SI |
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |

# Legend

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|---|---|
| **cpg:** | Ideal gas heat capacity |
| **hf:** | Enthalpy of formation at standard conditions |
| **hfus:** | Enthalpy of fusion at standard conditions |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |