# ZYLOFURAMINE

**Other names:** D-threo-«alpha»-Benzyl-N-ethyltetrahydrofurfurylamine
Zylofuramine
**Inchi:** InChI=1S/C14H21NO/c1-2-15-13(14-9-6-10-16-14)11-12-7-4-3-5-8-12/h3-5,7-8,13-15H,2
**InchiKey:** DOFCLOLKFGSRTG-UHFFFAOYSA-N
**Formula:** C14H21NO
**SMILES:** CCNC(Cc1ccccc1)C1CCCO1
**Mol. weight [g/mol]:** 219.33

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 29.55 | kJ/mol | Joback Method |
| logp | 2.386 | | Crippen Method |
| mcvol | 189.350 | ml/mol | McGowan Method |
| rinpol | 1665.00 | | NIST Webbook |
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## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 522.80 | J/mol×K | 638.36 | Joback Method |
| cpg | 542.45 | J/mol×K | 675.77 | Joback Method |
| cpg | 560.73 | J/mol×K | 713.18 | Joback Method |
| cpg | 577.74 | J/mol×K | 750.59 | Joback Method |
| cpg | 593.52 | J/mol×K | 788.00 | Joback Method |
| cpg | 608.15 | J/mol×K | 825.41 | Joback Method |
| cpg | 621.71 | J/mol×K | 862.82 | Joback Method |

## Sources

**Cheméo Relay (1.0, beta):**
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C3563926&Units=SI

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|---|---|
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |
| **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):** | |

# Legend

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