

# epi-«beta»-Muurolol

|                             |   |
|-----------------------------|---|
| <b>Inchi:</b>               | InChI=1S/C15H26O/c1-10(2)12-7-8-15(4,16)14-6-5-11(3)9-13(12)14/h10,12-14,16H,3,5- |
| <b>InchiKey:</b>            | DCGIIRVFKWJQME-ZQDZILKHS-A-N  |
| <b>Formula:</b>             | C15H26O   |
| <b>SMILES:</b>              | C=C1CCC2C(C1)C(C(C)C)CCC2(C)O   |
| <b>Mol. weight [g/mol]:</b> | 222.37  |

## Physical Properties

| Property code | Value   | Unit                 | Source         |
|---------------|---------|----------------------|----------------|
| gf            | 41.43   | kJ/mol               | Joback Method  |
| hf            | -330.68 | kJ/mol               | Joback Method  |
| hfus          | 17.73   | kJ/mol               | Joback Method  |
| hvap          | 64.18   | kJ/mol               | Joback Method  |
| log10ws       | -4.15   |                      | Crippen Method |
| logp          | 3.776   |                      | Crippen Method |
| mvol          | 202.060 | ml/mol               | McGowan Method |
| pc            | 2066.12 | kPa                  | Joback Method  |
| rinpol        | 1647.00 |                      | NIST Webbook   |
| rinpol        | 1684.00 |                      | NIST Webbook   |
| tb            | 654.96  | K                    | Joback Method  |
| tc            | 859.10  | K                    | Joback Method  |
| tf            | 355.53  | K                    | Joback Method  |
| vc            | 0.750   | m <sup>3</sup> /kmol | Joback Method  |

## Temperature Dependent Properties

| Property code | Value  | Unit    | Temperature [K] | Source        |
|---------------|--------|---------|-----------------|---------------|
| cpg           | 596.74 | J/mol×K | 654.96          | Joback Method |
| cpg           | 616.91 | J/mol×K | 688.98          | Joback Method |
| cpg           | 636.06 | J/mol×K | 723.01          | Joback Method |
| cpg           | 654.29 | J/mol×K | 757.03          | Joback Method |
| cpg           | 671.72 | J/mol×K | 791.05          | Joback Method |
| cpg           | 688.46 | J/mol×K | 825.08          | Joback Method |
| cpg           | 704.61 | J/mol×K | 859.10          | Joback Method |

# Sources

|                        |   |
|------------------------|---|
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                         |
| <b>Joback Method:</b>  | <a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>                                     |
| <b>McGowan Method:</b> | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                     |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R422847&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R422847&amp;Units=SI</a> |
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                 |

# Legend

|                 |   |
|-----------------|---|
| <b>cpg:</b>     | Ideal gas heat capacity                         |
| <b>gf:</b>      | Standard Gibbs free energy of formation         |
| <b>hf:</b>      | Enthalpy of formation at standard conditions    |
| <b>hfus:</b>    | Enthalpy of fusion at standard conditions       |
| <b>hvp:</b>     | Enthalpy of vaporization at standard conditions |
| <b>log10ws:</b> | Log10 of Water solubility in mol/l              |
| <b>logp:</b>    | Octanol/Water partition coefficient             |
| <b>mcvol:</b>   | McGowan's characteristic volume                 |
| <b>pc:</b>      | Critical Pressure                               |
| <b>rinp:</b>    | Non-polar retention indices                     |
| <b>tb:</b>      | Normal Boiling Point Temperature                |
| <b>tc:</b>      | Critical Temperature                            |
| <b>tf:</b>      | Normal melting (fusion) point                   |
| <b>vc:</b>      | Critical Volume                                 |

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