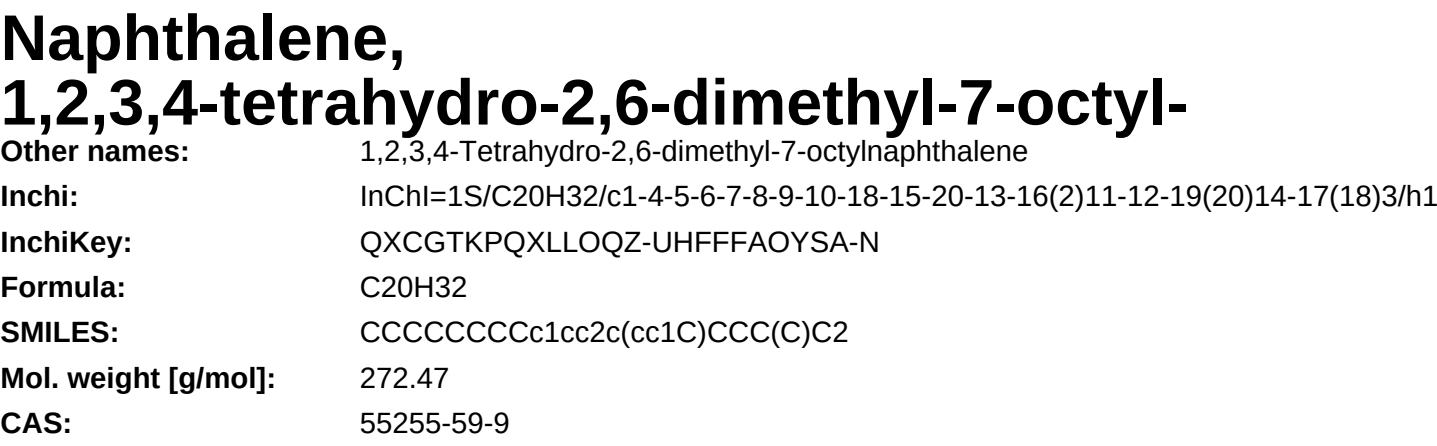




## Physical Properties

| Property code | Value   | Unit    | Source         |
|---------------|---------|---------|----------------|
| gf            | 249.69  | kJ/mol  | Joback Method  |
| hf            | -187.37 | kJ/mol  | Joback Method  |
| hfus          | 36.46   | kJ/mol  | Joback Method  |
| hvap          | 64.46   | kJ/mol  | Joback Method  |
| log10ws       | -6.94   |         | Crippen Method |
| logp          | 6.023   |         | Crippen Method |
| mcvol         | 258.040 | ml/mol  | McGowan Method |
| pc            | 1374.80 | kPa     | Joback Method  |
| tb            | 709.63  | K       | Joback Method  |
| tc            | 909.89  | K       | Joback Method  |
| tf            | 393.56  | K       | Joback Method  |
| vc            | 0.997   | m3/kmol | Joback Method  |

## Temperature Dependent Properties

| Property code | Value     | Unit    | Temperature [K] | Source        |
|---------------|-----------|---------|-----------------|---------------|
| cpg           | 757.39    | J/mol×K | 709.63          | Joback Method |
| cpg           | 778.33    | J/mol×K | 743.01          | Joback Method |
| cpg           | 798.11    | J/mol×K | 776.38          | Joback Method |
| cpg           | 816.79    | J/mol×K | 809.76          | Joback Method |
| cpg           | 834.43    | J/mol×K | 843.14          | Joback Method |
| cpg           | 851.09    | J/mol×K | 876.52          | Joback Method |
| cpg           | 866.81    | J/mol×K | 909.89          | Joback Method |
| dvisc         | 0.0014387 | Pa×s    | 393.56          | Joback Method |

|       |           |      |        |               |
|-------|-----------|------|--------|---------------|
| dvisc | 0.0008459 | Pa×s | 446.24 | Joback Method |
| dvisc | 0.0005563 | Pa×s | 498.92 | Joback Method |
| dvisc | 0.0003964 | Pa×s | 551.60 | Joback Method |
| dvisc | 0.0002996 | Pa×s | 604.27 | Joback Method |
| dvisc | 0.0002369 | Pa×s | 656.95 | Joback Method |
| dvisc | 0.0001939 | Pa×s | 709.63 | Joback Method |

## Sources

|                        |                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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=C55255599&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C55255599&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>                                     |
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |

## Legend

|                 |                                                 |
|-----------------|-------------------------------------------------|
| <b>cpg:</b>     | Ideal gas heat capacity                         |
| <b>dvisc:</b>   | Dynamic viscosity                               |
| <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>hvap:</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>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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