# Verticilla-4(20),7,11-triene

**Inchi:** InChI=1S/C20H32/c1-15-7-6-8-16(2)10-14-19-17(3)11-13-18(12-9-15)20(19,4)5/h8,18H,1
**InchiKey:** SNPPNYAGNBWZCL-SFHVURJKSA-N
**Formula:** C20H32
**SMILES:** C=C1CCC=C(C)CCC2=C(C)CCC(CC1)C2(C)C
**Mol. weight [g/mol]:** 272.47

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hfus | 18.75 | kJ/mol | Joback Method |
| logp | 6.596 | | Crippen Method |
| mcvol | 258.040 | ml/mol | McGowan Method |
| rinpol | 2004.00 | | NIST Webbook |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 771.97 | J/mol×K | 721.57 | Joback Method |
| cpg | 798.29 | J/mol×K | 761.06 | Joback Method |
| cpg | 823.12 | J/mol×K | 800.55 | Joback Method |
| cpg | 846.58 | J/mol×K | 840.04 | Joback Method |
| cpg | 868.80 | J/mol×K | 879.54 | Joback Method |
| cpg | 889.92 | J/mol×K | 919.03 | Joback Method |
| cpg | 910.07 | J/mol×K | 958.52 | Joback Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R414029&Units=SI
**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):**

**Cheméo Relay (1.0, beta):**

# Legend

| | |
|---|---|
| **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 |