

# 4H-Naphtho[1,2,3,4-def]carbazole

**Inchi:** InChI=1S/C18H11N/c1-2-6-12-11(5-1)13-7-3-9-15-17(13)18-14(12)8-4-10-16(18)19-15/h  
**InchiKey:** ZNJUMXZMXWTDMU-UHFFFAOYSA-N  
**Formula:** C18H11N  
**SMILES:** c1ccc2c(c1)c1cccc3[nH]c4cccc2c4c31  
**Mol. weight [g/mol]:** 241.29

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -7.32   |        | Crippen Method |
| logp          | 4.583   |        | Crippen Method |
| mcvol         | 181.460 | ml/mol | McGowan Method |
| rinpol        | 459.33  |        | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R68423&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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