

# Benzo(c)carbazole

**Other names:** 1H-Benzo[c]carbazole  
3,4-Benzocarbazole

**Inchi:** InChI=1S/C16H11N/c1-2-6-12-11(5-1)9-10-15-16(12)13-7-3-4-8-14(13)17-15/h1-5,7-10H

**InchiKey:** CNEBOSRZUQUQMH-UHFFFAOYSA-N

**Formula:** C16H11N

**SMILES:** C1=CCc2c3c(ccc2=C1)=Nc1cccc1-3

**Mol. weight [g/mol]:** 217.27

**CAS:** 34777-33-8

## Physical Properties

Property code	Value	Unit	Source
ie	7.30 ± 0.10	eV	NIST Webbook
log10ws	-4.18		Crippen Method
logp	2.511		Crippen Method
mcvol	168.440	ml/mol	McGowan Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

**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=C34777338&Units=SI>

## Legend

**ie:** Ionization energy

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

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