

7H-Dibenzo(a,g)carbazole

Other names:	1,2,5,6-Dibenzcarbazole Dibenzo[a,g]carbazole 1,2:5,6-Dibenzocarbazole
Inchi:	InChI=1S/C20H13N/c1-3-7-15-13(5-1)10-12-18-19(15)17-11-9-14-6-2-4-8-16(14)20(17)2
InchiKey:	NRZXZFGVTNEKPS-UHFFFAOYSA-N
Formula:	C20H13N
SMILES:	c1ccc2c(c1)ccc1c2[nH]c2ccc3ccccc3c21
Mol. weight [g/mol]:	267.32
CAS:	207-84-1

Physical Properties

Property code	Value	Unit	Source
ie	6.90 ± 0.10	eV	NIST Webbook
log10ws	-7.91		Crippen Method
logp	5.146		Crippen Method
mcvol	205.340	ml/mol	McGowan Method
rinpole	502.30		NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C207841&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
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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<https://www.chemeo.com/cid/50-074-4/7H-Dibenzo-a-g-carbazole.pdf>

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