

# Anthra[2,3-b]carbazole

<b>Inchi:</b>	InChI=1S/C24H15N/c1-2-6-16-10-18-12-20-14-24-22(21-7-3-4-8-23(21)25-24)13-19(20)1
<b>InchiKey:</b>	AEVNDWITFKNVRU-UHFFFAOYSA-N
<b>Formula:</b>	C24H15N
<b>SMILES:</b>	c1ccc2cc3cc4cc5c(cc4cc3cc2c1)[nH]c1cccc15
<b>Mol. weight [g/mol]:</b>	317.38
<b>CAS:</b>	319-23-3

## Physical Properties

Property code	Value	Unit	Source
ie	6.50 ± 0.10	eV	NIST Webbook
log10ws	-9.71		Crippen Method
logp	6.299		Crippen Method
mcvol	242.240	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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=C319233&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C319233&amp;Units=SI</a>

## Legend

<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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