Dibenzo[a,c]phenazine

Other names:	9,14-Diazadibenz[a,c]anthracene
	1,2:3,4-Dibenzophenazine
	Phenanthrazine
	Phenanthro[9,10-b]quinoxaline
	Phenanthro-9',10':2,3-quinoxaline
	1,2,3,4-Dibenzphenazine
	Dibenz[a,c]phenazine
Inchi:	InChI=1S/C20H12N2/c1-3-9-15-13(7-1)14-8-2-4-10-16(14)20-19(15)21-17-11-5-6-12-18(
InchiKey:	KHPYJVQRBJJYSF-UHFFFAOYSA-N
Formula:	C20H12N2
SMILES:	c1ccc2nc3c4ccccc4c4ccccc4c3nc2c1
Mol. weight [g/mol]:	280.32
CAS:	215-64-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.22		Crippen Method
logp	5.089		Crippen Method
mcvol	211.020	ml/mol	McGowan Method
rinpol	474.08		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	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=C215645&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