

Quinoxaline, 2,3-diphenyl-

Other names:	2,3-Diphenylquinoxaline
Inchi:	InChI=1S/C20H14N2/c1-3-9-15(10-4-1)19-20(16-11-5-2-6-12-16)22-18-14-8-7-13-17(18)
InchiKey:	RSNQVABHABAKEZ-UHFFFAOYSA-N
Formula:	C20H14N2
SMILES:	c1ccc(-c2nc3ccccc3nc2-c2ccccc2)cc1
Mol. weight [g/mol]:	282.34
CAS:	1684-14-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.01		Crippen Method
logp	4.964		Crippen Method
mcvol	221.880	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1684146&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/80-615-0/Quinoxaline-2-3-diphenyl.pdf>

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