4,4'-Diphenyl-2,2'-dipyridyl

Other names:	4,4'-Diphenyl-2,2'-bipyridine
	2,2'-Bipyridine, 4,4'-diphenyl-
Inchi:	InChI=1S/C22H16N2/c1-3-7-17(8-4-1)19-11-13-23-21(15-19)22-16-20(12-14-24-22)18-9-
InchiKey:	OXMSMRJQZMTIMT-UHFFFAOYSA-N
Formula:	C22H16N2
SMILES:	c1ccc(-c2ccnc(-c3cc(-c4ccccc4)ccn3)c2)cc1
Mol. weight [g/mol]:	308.38
CAS:	6153-92-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.81		Crippen Method
logp	5.478		Crippen Method
mcvol	245.760	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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6153920&Units=SI

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/53-909-4/4-4-Diphenyl-2-2-dipyridyl.pdf
Generated by Cheméo on 2024-10-12 07:44:16.757656651 +0000 UTC m=+3299919.394625899.

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.