

3,3'-Bipyridine

Other names:	3,3'-Bipyridyl 3,3'-Diphridyl 3,3'-Dipyridyl
Inchi:	InChI=1S/C10H8N2/c1-3-9(7-11-5-1)10-4-2-6-12-8-10/h1-8H
InchiKey:	OFDVABAUFGQJWEZ-UHFFFAOYSA-N
Formula:	C10H8N2
SMILES:	<chem>c1cncc(-c2cccnc2)c1</chem>
Mol. weight [g/mol]:	156.18
CAS:	581-46-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.61		Crippen Method
logp	2.144		Crippen Method
mcvol	124.200	ml/mol	McGowan Method
rinpol	1573.00		NIST Webbook
ripol	2454.00		NIST Webbook
tb	573.50 ± 0.50	K	NIST Webbook
tf	341.00	K	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	464.20	K	3.30	NIST Webbook
tbrp	464.00 ± 1.00	K	3.30	NIST Webbook

Sources

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=C581464&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point

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