Pyridine, 4,4'-(1,2-ethenediyl)bis-, (E)-

Other names:	trans-1,2-Bis(4-Pyridyl)ethylene
	trans-4,4'-Dipyridylethylene
	Pyridine, 4,4'-Vinylenedi-, (E)-
	4-[(E)-2-(4-Pyridinyl)ethenyl]pyridine
	trans-4,4'-vinylenedipyridine
Inchi:	InChI=1S/C12H10N2/c1(11-3-7-13-8-4-11)2-12-5-9-14-10-6-12/h1-10H/b2-1+
InchiKey:	MGFJDEHFNMWYBD-OWOJBTEDSA-N
Formula:	C12H10N2
SMILES:	C(=Cc1ccncc1)c1ccncc1
Mol. weight [g/mol]:	182.22
CAS:	13362-78-2

Physical Properties

Property code	Value	Unit	Source
ie	8.83 ± 0.03	eV	NIST Webbook
log10ws	-3.61		Crippen Method
logp	2.647		Crippen Method
mcvol	148.080	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=C13362782&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume