

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

<b>Other names:</b>	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
<b>Inchi:</b>	InChI=1S/C12H10N2/c1(11-3-7-13-8-4-11)2-12-5-9-14-10-6-12/h1-10H/b2-1+
<b>InchiKey:</b>	MGFJDEHFNMWYBD-OWOJBTEDSA-N
<b>Formula:</b>	C12H10N2
<b>SMILES:</b>	C(=Cc1ccncc1)c1ccncc1
<b>Mol. weight [g/mol]:</b>	182.22
<b>CAS:</b>	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

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C13362782&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13362782&amp;Units=SI</a>

## Legend

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

**mcvol:** McGowan's characteristic volume

Latest version available from:

<https://www.cheméo.com/cid/18-937-2/Pyridine-4-4-1-2-ethenediyl-bis-E.pdf>

Generated by Cheméo on 2024-04-29 05:08:39.729081311 +0000 UTC m=+16656568.649658626.

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