Pyridine, 4-ethenyl-

Other names:	Pyridine, 4-vinyl- 4-Vinylpyridine 4-Ethenylpyridine «gamma»-Vinylpyridine
Inchi:	InChI=1S/C7H7N/c1-2-7-3-5-8-6-4-7/h2-6H,1H2
InchiKey:	KFDVPJUYSDEJTH-UHFFFAOYSA-N
Formula:	C7H7N
SMILES:	C=Cc1ccncc1
Mol. weight [g/mol]:	105.14
CAS:	100-43-6

Physical Properties

Property code	Value	Unit	Source
affp	944.10	kJ/mol	NIST Webbook
basg	912.30	kJ/mol	NIST Webbook
ie	9.25	eV	NIST Webbook
ie	8.90	eV	NIST Webbook
log10ws	-2.06		Crippen Method
logp	1.725		Crippen Method
mcvol	91.410	ml/mol	McGowan Method
rinpol	1026.00		NIST Webbook
rinpol	1026.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	336.70	K	2.00	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=C100436&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

affp:	Proton affinity
basg:	Gas basicity
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tbrp:	Boiling point at reduced pressure