

Pyridine, 2-ethenyl-

Other names:	Pyridine, 2-vinyl- 2-Vinylpyridine 2-Ethenylpyridine «alpha»-Vinylpyridine
Inchi:	InChI=1S/C7H7N/c1-2-7-5-3-4-6-8-7/h2-6H,1H2
InchiKey:	KGIGUEBEKRSTEW-UHFFFAOYSA-N
Formula:	C7H7N
SMILES:	C=Cc1ccccn1
Mol. weight [g/mol]:	105.14
CAS:	100-69-6

Physical Properties

Property code	Value	Unit	Source
chl	-3912.00	kJ/mol	NIST Webbook
hfl	157.00	kJ/mol	NIST Webbook
ie	8.60	eV	NIST Webbook
ie	8.92	eV	NIST Webbook
log10ws	-2.06		Crippen Method
logp	1.725		Crippen Method
mcvol	91.410	ml/mol	McGowan Method
rinpol	932.00		NIST Webbook
rinpol	905.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	353.70	K	3.90	NIST Webbook
tbrp	325.70	K	0.50	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=C100696&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

chl:	Standard liquid enthalpy of combustion
hfl:	Liquid phase enthalpy of formation at standard conditions
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

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