

Ethanal-propanal azine

Inchi:	InChI=1S/C5H10N2/c1-3-5-7-6-4-2/h4-5H,3H2,1-2H3
InchiKey:	PXUQQBQLPDJQPD-UHFFFAOYSA-N
Formula:	C5H10N2
SMILES:	CC=NN=CCC
Mol. weight [g/mol]:	98.15

Physical Properties

Property code	Value	Unit	Source
hf	17.91	kJ/mol	Joback Method
hvap	33.35	kJ/mol	Joback Method
log10ws	-1.23		Crippen Method
logp	1.473		Crippen Method
mcpvol	92.670	ml/mol	McGowan Method
pc	2746.90	kPa	Joback Method
rinpol	838.00		NIST Webbook
rinpol	838.00		NIST Webbook
tb	467.16	K	Joback Method
tc	678.80	K	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R511596&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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