(E)-C2H5N=NC2H5

Other names: (E)-Azoethane
Inchi: InChI=1S/C4H10N2/c1-3-5-6-4-2/h3-4H2,1-2H3
InchiKey: INTMMHZKGCDQGT-UHFFFAOYSA-N
Formula: C4H10N2
SMILES: CCN=NCC
Mol. weight [g/mol]: 86.14
CAS: 15463-99-7

Physical Properties

Property code	Value	Unit	Source
hf	-78.67	kJ/mol	Joback Method
hvap	31.17	kJ/mol	Joback Method
ie	8.77	eV	NIST Webbook
log10ws	-0.76		Crippen Method
logp	1.478		Crippen Method
mcvol	82.880	ml/mol	McGowan Method
pc	2878.12	kPa	Joback Method
rinpol	571.90		NIST Webbook
rinpol	564.00		NIST Webbook
rinpol	564.00		NIST Webbook
tb	440.12	K	Joback Method
tc	644.19	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15463997&Units=SI
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

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
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