CH3CH2NNN

Inchi: InChI=1S/C2H5N3/c1-2-4-5-3/h2H2,1H3
InchiKey: UCSVJZQSZZAKLD-UHFFFAOYSA-N
Formula: C2H5N3
SMILES: CCN=[N+]=[N-]
Mol. weight [g/mol]: 71.08
CAS: 871-31-8

Physical Properties

Property code	Value	Unit	Source
affp	878.00	kJ/mol	NIST Webbook
basg	845.50	kJ/mol	NIST Webbook
log10ws	-5.75		Crippen Method
logp	1.317		Crippen Method
mcvol	60.380	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	31.50	kJ/mol	308.00	NIST Webbook
hvapt	28.90	kJ/mol	275.50	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C871318&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume