Methanamine, N-ethylidene-, (Z)-

Inchi: InChI=1S/C3H7N/c1-3-4-2/h3H,1-2H3
InchiKey: OHACMJAMDKRMSW-UHFFFAOYSA-N
Formula: C3H7N
SMILES: CC=NC
Mol. weight [g/mol]: 57.09
CAS: 64611-40-1

Physical Properties

Property code	Value	Unit	Source
hf	-23.03	kJ/mol	Joback Method
hvap	25.59	kJ/mol	Joback Method
ie	9.00	eV	NIST Webbook
ie	9.10 ± 0.10	eV	NIST Webbook
ie	9.50	eV	NIST Webbook
log10ws	-0.24		Crippen Method
logp	0.707		Crippen Method
mcvol	58.810	ml/mol	McGowan Method
pc	3853.09	kPa	Joback Method
rinpol	477.00		NIST Webbook
tb	344.72	K	Joback Method
tc	535.42	K	Joback Method

Sources

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=C64611401&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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