

# trans-methyl-ethyl-diazene

**Inchi:** InChI=1S/C3H8N2/c1-3-5-4-2/h3H2,1-2H3  
**InchiKey:** NRRFJODUDVGTJM-UHFFFAOYSA-N  
**Formula:** C3H8N2  
**SMILES:** CCN=NC  
**Mol. weight [g/mol]:** 72.11

## Physical Properties

Property code	Value	Unit	Source
hf	-58.03	kJ/mol	Joback Method
hvap	28.94	kJ/mol	Joback Method
log10ws	-0.34		Crippen Method
logp	1.088		Crippen Method
mcvol	68.790	ml/mol	McGowan Method
pc	3199.16	kPa	Joback Method
rinpol	481.70		NIST Webbook
tb	417.24	K	Joback Method
tc	623.64	K	Joback Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/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=R166582&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  
**log10ws:** Log10 of Water solubility in mol/l

<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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