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
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

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