trans-methyl-i-butyl-diazene

Inchi: InChI=1S/C5H12N2/c1-5(2)4-7-6-3/h5H,4H2,1-3H3/b7-6+
InchiKey: MNPIONKINHESBM-VOTSOKGWSA-N
Formula: C5H12N2
SMILES: CN=NCC(C)C
Mol. weight [g/mol]: 100.16

Physical Properties

Property code	Value	Unit	Source
hf	-104.59	kJ/mol	Joback Method
hvap	33.01	kJ/mol	Joback Method
log10ws	-0.93		Crippen Method
logp	1.724		Crippen Method
mcvol	96.970	ml/mol	McGowan Method
pc	2624.46	kPa	Joback Method
rinpol	642.20		NIST Webbook
tb	462.56	K	Joback Method
tc	668.86	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=R166597&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