trans-ethyl-2-propyl-diazene

Inchi: InChI=1S/C5H12N2/c1-4-6-7-5(2)3/h5H,4H2,1-3H3
InchiKey: FIJTXDHABSCPSP-UHFFFAOYSA-N
Formula: C5H12N2
SMILES: CCN=NC(C)C
Mol. weight [g/mol]: 100.16
CAS: 65586-03-0

Physical Properties

Property code	Value	Unit	Source
hf	-104.59	kJ/mol	Joback Method
hvap	33.01	kJ/mol	Joback Method
log10ws	-1.29		Crippen Method
logp	1.867		Crippen Method
mcvol	96.970	ml/mol	McGowan Method
pc	2624.46	kPa	Joback Method
rinpol	624.10		NIST Webbook
rinpol	624.10		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=C65586030&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