Diazene, ethyl-(2-methylpropyl)

Other names: trans-ethyl-i-butyl-diazene
Inchi: InChI=1S/C6H14N2/c1-4-7-8-5-6(2)3/h6H,4-5H2,1-3H3
InchiKey: XTJYPGLPPGVKTM-UHFFFAOYSA-N
Formula: C6H14N2
SMILES: CCN=NCC(C)C
Mol. weight [g/mol]: 114.19

Physical Properties

Property code	Value	Unit	Source
hf	-125.23	kJ/mol	Joback Method
hvap	35.23	kJ/mol	Joback Method
log10ws	-1.35		Crippen Method
logp	2.115		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2384.19	kPa	Joback Method
rinpol	725.00		NIST Webbook
rinpol	731.70		NIST Webbook
tb	485.44	K	Joback Method
tc	688.98	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=R129627&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