Diisopropyl diazene, trans-

Inchi: InChI=1S/C6H14N2/c1-5(2)7-8-6(3)4/h5-6H,1-4H3/b8-7+
InchiKey: BXCOOPLIKAAONJ-BQYQJAHWSA-N
Formula: C6H14N2
SMILES: CC(C)N=NC(C)C
Mol. weight [g/mol]: 114.19
CAS: 15464-00-3

Physical Properties

Property code	Value	Unit	Source
hf	-130.51	kJ/mol	Joback Method
hvap	34.84	kJ/mol	Joback Method
ie	8.00	eV	NIST Webbook
ie	8.47	eV	NIST Webbook
log10ws	-1.82		Crippen Method
logp	2.255		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2402.92	kPa	Joback Method
rinpol	669.80		NIST Webbook
rinpol	669.80		NIST Webbook
tb	485.00	K	Joback Method
tc	693.22	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15464003&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method: https://en.wikipedia.org/wiki/Joback_method

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
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