Diazene, bis-(1-methylpropyl)

Inchi: InChI=1S/C8H18N2/c1-5-7(3)9-10-8(4)6-2/h7-8H,5-6H2,1-4H3
InchiKey: GRXNCUZPWWIDKG-UHFFFAOYSA-N
Formula: C8H18N2
SMILES: CCC(C)N=NC(C)CC
Mol. weight [g/mol]: 142.24

Physical Properties

Property code	Value	Unit	Source
hf	-171.79	kJ/mol	Joback Method
hvap	39.30	kJ/mol	Joback Method
log10ws	-2.65		Crippen Method
logp	3.036		Crippen Method
mcvol	139.240	ml/mol	McGowan Method
pc	2007.30	kPa	Joback Method
rinpol	846.00		NIST Webbook
tb	530.76	K	Joback Method
tc	733.01	K	Joback Method

Sources

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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R129583&Units=SI

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