trans-2-propyl-t-butyl-diazene

Inchi: InChI=1S/C7H16N2/c1-6(2)8-9-7(3,4)5/h6H,1-5H3/b9-8+
InchiKey: GUMVVCUTQIPUBM-CMDGGOBGSA-N
Formula: C7H16N2
SMILES: CC(C)N=NC(C)(C)C
Mol. weight [g/mol]: 128.22

Physical Properties

Property code	Value	Unit	Source
hf	-154.62	kJ/mol	Joback Method
hvap	36.16	kJ/mol	Joback Method
log10ws	-2.24		Crippen Method
logp	2.645		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
pc	2214.53	kPa	Joback Method
rinpol	710.70		NIST Webbook
rinpol	710.70		NIST Webbook
tb	505.09	K	Joback Method
tc	718.86	K	Joback Method

Sources

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=R166473&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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