1,2-Diisopropyldiazene

Other names: 1,2-Diisopropyldiazene
Inchi: InChI=1S/C6H14N2/c1-5(2)7-8-6(3)4/h5-6H,1-4H3
InchiKey: BXCOOPLIKAAONJ-UHFFFAOYSA-N
Formula: C6H14N2
SMILES: CC(C)N=NC(C)C
Mol. weight [g/mol]: 114.19

Physical Properties

Property code	Value	Unit	Source
chl	-4361.74 ± 0.71	kJ/mol	NIST Webbook
chl	-4406.20 ± 1.30	kJ/mol	NIST Webbook
hf	36.00	kJ/mol	NIST Webbook
hfl	-0.10 ± 0.79	kJ/mol	NIST Webbook
hvap	35.90 ± 0.40	kJ/mol	NIST Webbook
hvap	36.20	kJ/mol	NIST Webbook
hvap	36.10	kJ/mol	NIST Webbook
ie	8.29	eV	Cheméo Relay (1.0)
logp	2.255		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
rinpol	662.00		NIST Webbook
rinpol	662.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	36.10	kJ/mol	302.00	NIST Webbook
hvapt	36.00 ± 2.00	kJ/mol	293.00	NIST Webbook

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3880497&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chl:	Standard liquid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices