Dipropyldiazene, trans

Other names: (E)-1,2-Dipropyldiazene
Inchi: InChI=1S/C6H14N2/c1-3-5-7-8-6-4-2/h3-6H2,1-2H3
InchiKey: LQCYZZANGSLXDJ-UHFFFAOYSA-N
Formula: C6H14N2
SMILES: CCCN=NCCC
Mol. weight [g/mol]: 114.19
CAS: 55204-42-7

Physical Properties

Property code	Value	Unit	Source
hf	-119.95	kJ/mol	Joback Method
hvap	35.62	kJ/mol	Joback Method
ie	8.10	eV	NIST Webbook
ie	8.61	eV	NIST Webbook
log10ws	-1.59		Crippen Method
logp	2.259		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2365.67	kPa	Joback Method
rinpol	768.90		NIST Webbook
rinpol	768.90		NIST Webbook
tb	485.88	K	Joback Method
tc	684.90	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C55204427&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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