

Dipropyldiazene

Other names:	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

Physical Properties

Property code	Value	Unit	Source
chl	-4373.33 ± 0.88	kJ/mol	NIST Webbook
chl	-4384.00 ± 1.00	kJ/mol	NIST Webbook
hf	62.40	kJ/mol	NIST Webbook
hf	51.90	kJ/mol	NIST Webbook
hfl	22.00	kJ/mol	NIST Webbook
hfl	11.50	kJ/mol	NIST Webbook
hvap	39.88	kJ/mol	NIST Webbook
hvap	40.40	kJ/mol	NIST Webbook
hvap	40.30	kJ/mol	NIST Webbook
hvap	39.90 ± 0.40	kJ/mol	NIST Webbook
ie	8.42	eV	Cheméo Relay (1.0)
logp	2.259		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
rinpol	760.00		NIST Webbook
rinpol	760.00		NIST Webbook
tb	387.00 ± 1.00	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	39.50	kJ/mol	300.00	NIST Webbook

Sources

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
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C821670&Units=SI

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
tb:	Normal Boiling Point Temperature

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