2-Tetrazene, 1,1,4,4-tetramethyl-

Other names:	Tetramethyl-2-tetrazene
	Tetramethyltetrazene
	Tetramethyltetrazone
	1,1,4,4-Tetramethyl-2-tetrazene
	1,1,4,4-Tetramethyltetrazene
	(CH3)2NN=NN(CH3)2
	NSC 38247
	2-Tetrazene, tetramethyl-
Inchi:	InChI=1S/C4H12N4/c1-7(2)5-6-8(3)4/h1-4H3
InchiKey:	PRGCYUAJTPIADR-UHFFFAOYSA-N
Formula:	C4H12N4
SMILES:	CN(C)N=NN(C)C
Mol. weight [g/mol]:	116.16
CAS:	6130-87-6

Physical Properties

Property code	Value	Unit	Source
chl	-3515.60 ± 1.80	kJ/mol	NIST Webbook
hf	56.39	kJ/mol	Joback Method
hfl	226.60 ± 1.80	kJ/mol	NIST Webbook
hvap	44.10 ± 2.10	kJ/mol	NIST Webbook
ie	7.00	eV	NIST Webbook
ie	7.70	eV	NIST Webbook
log10ws	0.12		Crippen Method
logp	0.392		Crippen Method
mcvol	102.840	ml/mol	McGowan Method
pc	2865.80	kPa	Joback Method
rinpol	834.00		NIST Webbook
tb	465.00	K	Joback Method
tc	663.98	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=C6130876&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
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