2-Tetrazene, 1,1,4,4-tetraethyl-

Inchi: InChI=1S/C8H20N4/c1-5-11(6-2)9-10-12(7-3)8-4/h5-8H2,1-4H3
InchiKey: DTPTYCXQWZYACS-UHFFFAOYSA-N
Formula: C8H20N4
SMILES: CCN(CC)N=NN(CC)CC
Mol. weight [g/mol]: 172.27
CAS: 13304-29-5

Physical Properties

Property code	Value	Unit	Source
hf	-26.17	kJ/mol	Joback Method
hvap	44.16	kJ/mol	Joback Method
ie	7.10	eV	NIST Webbook
log10ws	-1.55		Crippen Method
logp	1.952		Crippen Method
mcvol	159.200	ml/mol	McGowan Method
pc	1971.80	kPa	Joback Method
tb	556.52	K	Joback Method
tc	745.80	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=C13304295&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

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature