2-Butenal, dimethylhydrazone

Other names: 2-Butenylaldehyde dimethylhydrazoene
Inchi: InChI=1S/C6H12N2/c1-4-5-6-7-8(2)3/h4-6H,1-3H3/b5-4+,7-6?
InchiKey: KVKJBRFOURXWON-DBYMJTHYSA-N
Formula: C6H12N2
SMILES: CC=CC=NN(C)C
Mol. weight [g/mol]: 112.17
CAS: 7422-95-9

Physical Properties

Property code	Value	Unit	Source
hf	99.80	kJ/mol	Joback Method
hvap	34.27	kJ/mol	Joback Method
log10ws	-0.91		Crippen Method
logp	1.110		Crippen Method
mcvol	106.760	ml/mol	McGowan Method
pc	2925.00	kPa	Joback Method
rinpol	940.00		NIST Webbook
rinpol	940.00		NIST Webbook
tb	429.96	K	Joback Method
tc	625.08	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=C7422959&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
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