2-Butenal (E), 2,4,6-trichlorophenyl hydrazone

Inchi: InChI=1S/C10H9Cl3N2/c1-2-3-4-14-15-10-8(12)5-7(11)6-9(10)13/h2-6,15H,1H3/b3-2+,14
InchiKey: AWVLLNNSTTXXNE-BYUCVARHSA-N
Formula: C10H9Cl3N2
SMILES: CC=CC=NNc1c(Cl)cc(Cl)cc1Cl
Mol. weight [g/mol]: 263.55

Physical Properties

Property code	Value	Unit	Source
hf	158.08	kJ/mol	Joback Method
hvap	64.98	kJ/mol	Joback Method
log10ws	-4.80		Crippen Method
logp	4.621		Crippen Method
mcvol	176.080	ml/mol	McGowan Method
pc	2395.87	kPa	Joback Method
rinpol	2026.00		NIST Webbook
tb	713.12	K	Joback Method
tc	958.34	K	Joback Method

Sources

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=R84990&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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