Cinnamaldehyde oxime

Other names:	3-Phenyl-2-propenal oxime
	2-Propenal, 3-phenyl-, oxime
	Cinnamaldoxime
Inchi:	InChI=1S/C9H9NO/c11-10-8-4-7-9-5-2-1-3-6-9/h1-8,11H/b7-4+,10-8?
InchiKey:	RUQDOYIAKHIMAN-ZWZRPYISSA-N
Formula:	C9H9NO
SMILES:	ON=CC=Cc1ccccc1
Mol. weight [g/mol]:	147.17
CAS:	13372-81-1

Physical Properties

Property code	Value	Unit	Source
hf	54.65	kJ/mol	Joback Method
hvap	57.86	kJ/mol	Joback Method
log10ws	-1.53		Crippen Method
logp	2.160		Crippen Method
mcvol	121.160	ml/mol	McGowan Method
pc	3411.87	kPa	Joback Method
tb	605.02	K	Joback Method
tc	825.02	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=C13372811&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
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