Ethyl(Z)-3-(N'-methyl-N-phenylhydrazono)-2-butar

Inchi: InChI=1S/C13H18N2O2/c1-4-17-13(16)10-11(2)14-15(3)12-8-6-5-7-9-12/h5-9H,4,10H2,1
InchiKey: KJSLKNQLXFLFTA-KAMYIIQDSA-N
Formula: C13H18N2O2
SMILES: CCOC(=O)CC(C)=NN(C)c1ccccc1
Mol. weight [g/mol]: 234.29
CAS: 33602-99-2

Physical Properties

Property code	Value	Unit	Source
hf	-179.96	kJ/mol	Joback Method
hvap	61.40	kJ/mol	Joback Method
log10ws	-2.49		Crippen Method
logp	2.452		Crippen Method
mcvol	193.370	ml/mol	McGowan Method
pc	2083.12	kPa	Joback Method
tb	688.81	K	Joback Method
tc	906.25	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C33602992&Units=SI
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

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