1-Pentanone, 1-(4-methoxyphenyl)-, oxime

Other names: p-Methoxy valerophenone oxime

Inchi: InChI=1S/C12H17NO2/c1-3-4-5-12(13-14)10-6-8-11(15-2)9-7-10/h6-9,14H,3-5H2,1-2H3

InchiKey: HHAJHKNIYQTFMG-UHFFFAOYSA-N

Formula: C12H17NO2

SMILES: CCCCC(=NO)c1ccc(OC)cc1

Mol. weight [g/mol]: 207.27

CAS: 55937-94-5

Physical Properties

Property code	Value	Unit	Source
hf	-277.97	kJ/mol	Joback Method
hvap	67.73	kJ/mol	Joback Method
log10ws	-2.57		Crippen Method
logp	3.064		Crippen Method
mcvol	173.600	ml/mol	McGowan Method
pc	2313.61	kPa	Joback Method
tb	696.78	K	Joback Method
tc	900.81	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=C55937945&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