1-(P-NITROPHENYL)PIPERIDINE

Other names: 1-(4-nitrophenyl)piperidine
Inchi: InChI=1S/C11H14N2O2/c14-13(15)11-6-4-10(5-7-11)12-8-2-1-3-9-12/h4-7H,1-3,8-9H2
InchiKey: SGPLAXFUDTWHRS-UHFFFAOYSA-N
Formula: C11H14N2O2
SMILES: O=[N+]([O-])c1ccc(N2CCCCC2)cc1
Mol. weight [g/mol]: 206.25

Physical Properties

Property code	Value	Unit	Source
hf	25.23	kJ/mol	Cheméo Relay (1.0)
hvap	84.30	kJ/mol	Cheméo Relay (1.0)
ie	7.96	eV	Cheméo Relay (1.0)
log10ws	-3.63		Cheméo Relay (1.0)
logp	2.585		Crippen Method
mcvol	158.630	ml/mol	McGowan Method
tb	597.96	K	Cheméo Relay (1.0)
tf	375.65 ± 2.00	K	NIST Webbook

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C6574158&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
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

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point