1,2-Naphthalenedione, 1-[(4-methoxyphenyl)hydrazone]

Inchi: InChI=1S/C17H14N2O2/c1-21-14-9-7-13(8-10-14)18-19-17-15-5-3-2-4-12(15)6-11-16(17

InchiKey: YUDIFCUWAGAVFK-ZPHPHTNESA-N

Formula: C17H14N2O2

SMILES: COc1ccc(NN=C2C(=O)C=Cc3ccccc32)cc1

Mol. weight [g/mol]: 278.31

CAS: 15096-03-4

Physical Properties

Property code	Value	Unit	Source
hf	25.25	kJ/mol	Joback Method
hvap	77.23	kJ/mol	Joback Method
log10ws	-3.89		Crippen Method
logp	3.107		Crippen Method
mcvol	210.810	ml/mol	McGowan Method
pc	2287.14	kPa	Joback Method
tb	886.09	K	Joback Method
tc	1149.71	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15096034&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