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

Inchi: InChI=1S/C17H14N2O/c1-12-6-9-14(10-7-12)18-19-17-15-5-3-2-4-13(15)8-11-16(17)20/h

InchiKey: BFBIARQFJLYFRD-ZPHPHTNESA-N

Formula: C17H14N2O

SMILES: Cc1ccc(NN=C2C(=O)C=Cc3ccccc32)cc1

Mol. weight [g/mol]: 262.31

CAS: 64022-28-2

Physical Properties

Property code	Value	Unit	Source
hf	157.47	kJ/mol	Joback Method
hvap	74.82	kJ/mol	Joback Method
log10ws	-4.24		Crippen Method
logp	3.407		Crippen Method
mcvol	204.940	ml/mol	McGowan Method
pc	2324.78	kPa	Joback Method
tb	863.67	K	Joback Method
tc	1131.62	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C64022282&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

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

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

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