MALEIMIDE, N-(p-NITROPHENYL)-

Other names: N-(4-Nitrophenyl)maleimide
Inchi: InChI=1S/C10H6N2O4/c13-9-5-6-10(14)11(9)7-1-3-8(4-2-7)12(15)16/h1-6H
InchiKey: CVKDEEISKBRPEQ-UHFFFAOYSA-N
Formula: C10H6N2O4
SMILES: O=C1C=CC(=O)N1c1ccc([N+](=O)[O-])cc1
Mol. weight [g/mol]: 218.17

Physical Properties

Property code	Value	Unit	Source
hf	-115.53	kJ/mol	Cheméo Relay (1.0)
hvap	86.69	kJ/mol	Cheméo Relay (1.0)
ie	9.44	eV	Cheméo Relay (1.0)
log10ws	-3.25		Cheméo Relay (1.0)
logp	1.024		Crippen Method
mcvol	143.380	ml/mol	McGowan Method
tb	579.90	K	Cheméo Relay (1.0)
tf	446.11	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	117.30 ± 1.20	kJ/mol	360.00	NIST Webbook

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C4338061&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
hsubt:	Enthalpy of sublimation at a given temperature
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