

Maleimide, N-(p-nitrophenyl)-

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|-----------------------------|--|
| 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 |
| CAS: | 4338-06-1 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | -2.17 | | Crippen Method |
| logp | 1.024 | | Crippen Method |
| mcpvol | 143.380 | ml/mol | McGowan Method |

Temperature Dependent Properties

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

Sources

| | |
|------------------------|---|
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C4338061&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |

Legend

hsubt: Enthalpy of sublimation at a given temperature
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

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