

# N-(4-Bromophenyl)maleimide

**Inchi:** InChI=1S/C10H6BrNO2/c11-7-1-3-8(4-2-7)12-9(13)5-6-10(12)14/h1-6H  
**InchiKey:** FECSFBUYOMHWJQG-UHFFFAOYSA-N  
**Formula:** C10H6BrNO2  
**SMILES:** O=C1C=CC(=O)N1c1ccc(Br)cc1  
**Mol. weight [g/mol]:** 252.06  
**CAS:** 13380-67-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.68		Crippen Method
logp	1.878		Crippen Method
mcpvol	143.460	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	105.90 ± 0.70	kJ/mol	360.00	NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C13380671&Units=SI>

## 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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