

# Phthalimide, n-[(2(3h)-oxo-3-phenyl-3-benzofuranyl)methyl]-

**Inchi:** InChI=1S/C23H15NO4/c25-20-16-10-4-5-11-17(16)21(26)24(20)14-23(15-8-2-1-3-9-15)1  
**InchiKey:** WNZWSRHNHYFKEY-UHFFFAOYSA-N  
**Formula:** C23H15NO4  
**SMILES:** O=C1c2ccccc2C(=O)N1CC1(c2ccccc2)C(=O)Oc2ccccc21  
**Mol. weight [g/mol]:** 369.37  
**CAS:** 104763-81-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.04		Crippen Method
logp	3.188		Crippen Method
mcvol	262.490	ml/mol	McGowan Method

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C104763817&Units=SI>  
**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)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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