

# 1H-Pyrrole-2,5-dione, 1-[4-(phenylazo)phenyl]-

**Other names:**

p-Phenylazomaleinanil  
Maleimide, N-(p-(phenylazo)phenyl)-  
N-(p-Phenylazophenyl)maleimide  
1-[4-(phenylazo)phenyl]-1H-pyrrole-2,5-dione

**Inchi:**

InChI=1S/C16H11N3O2/c20-15-10-11-16(21)19(15)14-8-6-13(7-9-14)18-17-12-4-2-1-3-5

**InchiKey:**

DVNPYLMPVFDKGZ-UHFFFAOYSA-N

**Formula:**

C16H11N3O2

**SMILES:**

O=C1C=CC(=O)N1c1ccc(N=Nc2ccccc2)cc1

**Mol. weight [g/mol]:**

277.28

**CAS:**

16201-96-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.56		Crippen Method
logp	3.531		Crippen Method
mcvol	202.400	ml/mol	McGowan Method

## 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=C16201960&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

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