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

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C16201960&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	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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