

# 1H-Isoindole-1,3(2H)-dione, 2-(2-chlorophenyl)-

Other names:	Phthalimide, N-(o-chlorophenyl)- Isoindole-1,3(2H)-dione, 2-(2-chlorophenyl)-
Inchi:	InChI=1S/C14H8ClNO2/c15-11-7-3-4-8-12(11)16-13(17)9-5-1-2-6-10(9)14(16)18/h1-8H
InchiKey:	HZJTXHXNUXBSFD-UHFFFAOYSA-N
Formula:	C14H8ClNO2
SMILES:	O=C1c2ccccc2C(=O)N1c1ccccc1Cl
Mol. weight [g/mol]:	257.67
CAS:	22698-95-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.24		Crippen Method
logp	3.141		Crippen Method
mcvol	175.100	ml/mol	McGowan Method

## Sources

Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C22698959&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C22698959&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

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

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