

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

<b>Other names:</b>	N-Vinylphthalimide Phthalimide, N-vinyl- 2-Ethenyl-1H-isoindole-1,3(2H)-dione
<b>Inchi:</b>	InChI=1S/C10H7NO2/c1-2-11-9(12)7-5-3-4-6-8(7)10(11)13/h2-6H,1H2
<b>InchiKey:</b>	IGDLZDCWMRPMGL-UHFFFAOYSA-N
<b>Formula:</b>	C10H7NO2
<b>SMILES:</b>	C=CN1C(=O)c2cccc2C1=O
<b>Mol. weight [g/mol]:</b>	173.17
<b>CAS:</b>	3485-84-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.60		Crippen Method
logp	1.426		Crippen Method
mcvol	125.960	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3485845&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3485845&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

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

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