

# 9(10H)-Phenanthrenone, 10-diazo-

<b>Other names:</b>	9(10H)-Phenanthrone, 10-diazo- «alpha»-Diazophenanthrone 9-Diazo-10-phenanthrone 9-Diazo-10-oxophenanthrene
<b>Inchi:</b>	InChI=1S/C14H8N2O/c15-16-13-11-7-3-1-5-9(11)10-6-2-4-8-12(10)14(13)17/h1-8H
<b>InchiKey:</b>	GEOQDCBHAVUVST-UHFFFAOYSA-N
<b>Formula:</b>	C14H8N2O
<b>SMILES:</b>	[N-]=[N+]=C1C(=O)c2ccccc2-c2ccccc21
<b>Mol. weight [g/mol]:</b>	220.23
<b>CAS:</b>	7509-44-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.33		Crippen Method
logp	2.569		Crippen Method
mcvol	162.670	ml/mol	McGowan Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C7509446&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7509446&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>

## 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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