

# 7-Methoxyflavone

<b>Other names:</b>	4H-1-Benzopyran-4-one, 7-methoxy-2-phenyl-Flavone, 7-methoxy-7-Methoxyflavanone
<b>Inchi:</b>	InChI=1S/C16H12O3/c1-18-12-7-8-13-14(17)10-15(19-16(13)9-12)11-5-3-2-4-6-11/h2-10
<b>InchiKey:</b>	QKNDCRMJDZLFEG-UHFFFAOYSA-N
<b>Formula:</b>	C16H12O3
<b>SMILES:</b>	<chem>COc1ccc2c(=O)cc(-c3ccccc3)oc2c1</chem>
<b>Mol. weight [g/mol]:</b>	252.26
<b>CAS:</b>	22395-22-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-9.15		Crippen Method
logp	3.469		Crippen Method
mcvol	186.930	ml/mol	McGowan Method
rinpol	2602.40		NIST Webbook
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## 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=C22395228&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C22395228&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
<b>rinpol:</b>	Non-polar retention indices

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