

# 3-Hydroxyflavone

<b>Other names:</b>	3-Hydroxy-2-phenylchromone 4H-1-Benzopyran-4-one, 3-hydroxy-2-phenyl- Flavon-3-ol Flavonol flavone, 3-hydroxy-
<b>Inchi:</b>	InChI=1S/C15H10O3/c16-13-11-8-4-5-9-12(11)18-15(14(13)17)10-6-2-1-3-7-10/h1-9,17H
<b>InchiKey:</b>	HVQAJTFOCKOKIN-UHFFFAOYSA-N
<b>Formula:</b>	C15H10O3
<b>SMILES:</b>	O=c1c(O)c(-c2ccccc2)oc2ccccc12
<b>Mol. weight [g/mol]:</b>	238.24
<b>CAS:</b>	577-85-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-8.58		Crippen Method
logp	3.166		Crippen Method
mcvol	172.840	ml/mol	McGowan Method
tf	443.60	K	Isothermal Thermogravimetric Study for Determining Sublimation Enthalpies of Some Hydroxyflavones

## Sources

<b>Isothermal Thermogravimetric Study for Determining Sublimation Enthalpies of Some Hydroxyflavones:</b>	<a href="https://www.doi.org/10.1021/acs.jced.7b01034">https://www.doi.org/10.1021/acs.jced.7b01034</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=C577855&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C577855&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**tf:** Normal melting (fusion) point

Latest version available from:

<https://www.cheméo.com/cid/39-915-3/3-Hydroxyflavone.pdf>

Generated by Cheméo on 2026-05-10 20:12:21.62426699 +0000 UTC m=+2209290.682349212.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.