

# Chryseno[4,5-bcd]pyranone

**Inchi:** InChI=1S/C19H10O2/c20-19-15-10-12-4-1-2-6-13(12)14-9-8-11-5-3-7-16(21-19)17(11)18  
**InchiKey:** XNMMIBUNQVKUQC-UHFFFAOYSA-N  
**Formula:** C19H10O2  
**SMILES:** O=c1oc2cccc3ccc4c5ccccc5cc1c4c32  
**Mol. weight [g/mol]:** 270.28

## Physical Properties

Property code	Value	Unit	Source
log10ws	-11.26		Crippen Method
logp	4.690		Crippen Method
mcvol	193.010	ml/mol	McGowan Method
rinpola	442.10		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R287822&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpola:** Non-polar retention indices

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