

# (Z)-6-(3,4-Dimethoxystyryl)-4-methoxy-2H-pyran-2-one

**Inchi:** InChI=1S/C16H16O5/c1-18-13-9-12(21-16(17)10-13)6-4-11-5-7-14(19-2)15(8-11)20-3/h1-18  
**InchiKey:** GBJRDULCMRSYSL-XQRVVYSFSA-N  
**Formula:** C16H16O5  
**SMILES:** COc1cc(C=Cc2ccc(OC)c(OC)c2)oc(=O)c1  
**Mol. weight [g/mol]:** 288.30  
**CAS:** 875758-70-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.59		Crippen Method
logp	2.836		Crippen Method
mcvol	213.830	ml/mol	McGowan Method
rinpol	2616.20		NIST Webbook
rinpol	2616.20		NIST Webbook

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C875758706&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

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

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