

# 5-(2,5-dimethylheptanyl)-3-methyl-2H-pyran-2-one

InChI: InChI=1S/C15H24O2/c1-5-11(2)6-7-12(3)10-14-9-8-13(4)15(16)17-14/h8-9,11-12H,5-7,1  
diastereomer 1  
InChIKey: XBJHSMUZOJJYBO-UHFFFAOYSA-N

Formula: C15H24O2  
SMILES: CCC(C)CCC(C)Cc1ccc(C)c(=O)o1  
Mol. weight [g/mol]: 236.35

## Physical Properties

Property code	Value	Unit	Source
log10ws	-8.35		Crippen Method
logp	3.953		Crippen Method
mcvol	210.190	ml/mol	McGowan Method
rinpol	1836.00		NIST Webbook
ripol	2552.00		NIST Webbook

## Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>  
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R494763&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  
rinpol: Non-polar retention indices  
ripol: Polar retention indices

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