

# Methanone,(2-iodophenyl)-2-pyridinyl-

**Other names:** 2-(2-Iodobenzoyl)pyridine  
**Inchi:** InChI=1S/C12H8INO/c13-10-6-2-1-5-9(10)12(15)11-7-3-4-8-14-11/h1-8H  
**InchiKey:** WEIIEZGIHJXLBT-UHFFFAOYSA-N  
**Formula:** C12H8INO  
**SMILES:** O=C(c1ccccn1)c1cccc1I  
**Mol. weight [g/mol]:** 309.10  
**CAS:** 76160-35-5

## Physical Properties

Property code	Value	Unit	Source
ie	8.76	eV	NIST Webbook
log10ws	-4.34		Crippen Method
logp	2.917		Crippen Method
mcvol	169.790	ml/mol	McGowan Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**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=C76160355&Units=SI>

## Legend

**ie:** Ionization energy  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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