

# 1H-Indole-3-propanoic acid

**Other names:**

Indole-3-propionic acid  
«beta»-(3-Indolyl)propionic acid  
«beta»-Indole-3-propionic acid  
«beta»-Indolepropionic acid  
IPA  
IPA (auxin)  
1H-Indole-3-propionic acid  
3-(2-Carboxyethyl)-1H-indole  
3-(3-Indole)propionic acid  
3-(3-Indolyl)propanoic acid  
3-(3-Indolyl)propionic acid  
Indolepropionic acid  
NSC 3252  
NSC 47831  
3-(1H-Indol-3-yl)propionic acid  
3-(indol-3-yl)propionic acid

**Inchi:**

InChI=1S/C11H11NO2/c13-11(14)6-5-8-7-12-10-4-2-1-3-9(8)10/h1-4,7,12H,5-6H2,(H,13)

**InchiKey:**

GOLXRNDWAUTYKT-UHFFFAOYSA-N

**Formula:**

C11H11NO2

**SMILES:**

O=C(O)CCc1c[nH]c2ccccc12

**Mol. weight [g/mol]:**

189.21

**CAS:**

830-96-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.82		Crippen Method
logp	1.703		Crippen Method
mcvol	144.350	ml/mol	McGowan Method

## Sources

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C830966&Units=SI>

**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)

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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