

# Indolebutyric acid

## Other names:

1H-Indole-3-butanoic acid  
Indole-3-butyric acid  
«beta»-IBA  
«gamma»-(Indol-3-yl)butyric acid  
«gamma»-(Indole-3)-butyric acid  
«gamma»-(3-Indolyl)butyric acid  
Butyric acid, 4-(indolyl)-  
Hormodin  
Indol-3,4'-yl butyric acid  
Indolbutyric acid  
Indole-3-butanoic acid  
IBA  
Seradix  
1H-Indole-3-Butyric acid  
3-Indolebutyric acid  
3-Indolyl-«gamma»-butyric acid  
3-Indolylbutyric acid  
4-(Indol-3-yl)butyric acid  
Indol-3-ylbutyric acid  
4-(Indol-3)-butyric acid  
4-(3-Indolyl)-butyric acid  
«beta»-Indolebutyric acid  
Hormex rooting powder  
Indolyl-3-butyric acid  
Jiffy grow  
4-(3-Indole)butyric acid  
Chryzopon  
Chryzosan  
Chryzotek  
NSC 3130  
Seradix 2  
Seradix 3  
Seradix B 2  
Seradix B 3  
4(3-indoyl)butanoic acid

## Inchi:

InChI=1S/C12H13NO2/c14-12(15)7-3-4-9-8-13-11-6-2-1-5-10(9)11/h1-2,5-6,8,13H,3-4,7

## InchiKey:

JTEDVYBZBROSJT-UHFFFAOYSA-N

## Formula:

C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>

## SMILES:

O=C(O)CCCc1c[nH]c2ccccc12

## Mol. weight [g/mol]:

203.24

CAS: 133-32-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.23		Crippen Method
logp	2.093		Crippen Method
mcvol	158.440	ml/mol	McGowan Method
rmpol	1885.00		NIST Webbook
rmpol	1885.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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=C133324&Units=SI>

## Legend

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

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