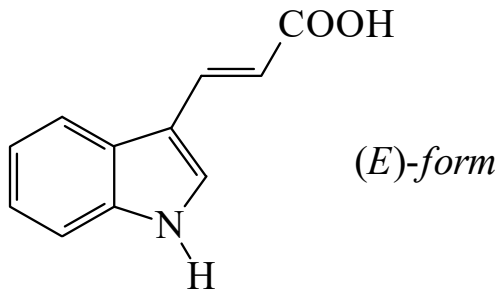
>>**Entry Name: 3-(1*H*-Indol-3-yl)-2-propenoic acid**
Synonym(s): 1*H*-Indole-3-propenoic acid. 3-(3-Indolyl)acrylic acid



(*E*)-*form*

CAS Registry Number: 1204-06-4

Molecular Formula: $C_{11}H_9NO_2$
Molecular Weight: 187.198
Accurate Mass: 187.063329
Percentage Composition: C 70.58%; H 4.85%; N 7.48%; O 17.09%
Biological Source: Major auxin from roots of *Lens culinaris* (Leguminosae)
Hazard & Toxicity: Exp. carcinogenic data

Fluka: 57290
Sigma: I1625

>>**Variant:** (*E*)-form

CAS Registry Number: 29953-71-7

Molecular Formula: $C_{11}H_9NO_2$
Molecular Weight: 187.198
Accurate Mass: 187.063329
Percentage Composition: C 70.58%; H 4.85%; N 7.48%; O 17.09%
Biological Source: Alkaloid from the red alga *Chondria* sp.
Physical Description: Red-brown cryst. (H_2O or AcOH)
Melting Point: Mp 195-196°
Aldrich: I-380-7

>>**Derivative:** Me ester

Molecular Formula: $C_{12}H_{11}NO_2$
Molecular Weight: 201.224
Accurate Mass: 201.078979
Percentage Composition: C 71.63%; H 5.51%; N 6.96%; O 15.90%
Physical Description: Cryst. (C_6H_6)
Melting Point: Mp 153-154°

>>**Derivative:** Me ester, *N*-Ac

Molecular Formula: $C_{14}H_{13}NO_3$
Molecular Weight: 243.262
Accurate Mass: 243.089544
Percentage Composition: C 69.12%; H 5.39%; N 5.76%; O 19.73%
Physical Description: Cryst. (C_6H_6)
Melting Point: Mp 179-180°

>>**Derivative:** Amide
Synonym(s): 3-(1*H*-Indol-3-yl)-2-propenamide. **3-(3-Indolyl)acrylamide**

Molecular Formula: $C_{11}H_{10}N_2O$
Molecular Weight: 186.213
Accurate Mass: 186.079313
Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%
Biological Source: Alkaloid from *Chondria atropurpurea*
Physical Description: Amber cryst. (Me_2CO)
Melting Point: Mp 212.8-214.2°
UV: [neutral] λ_{max} 226 (log ε 1.49); 275 (log ε 1.25); 322 (log ε 1.55) (MeOH) [neutral] λ_{max} 226 (); 275 (); 322 () (MeOH) (Berdy)