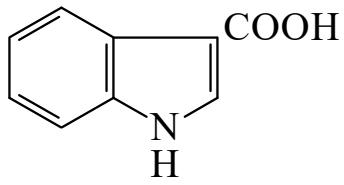
>>**Entry Name: 1*H*-Indole-3-carboxylic acid**
Synonym(s): Indole-β-carboxylic acid



CAS Registry Number: 771-50-6

Molecular Formula: $C_9H_7NO_2$
Molecular Weight: 161.16
Accurate Mass: 161.047679
Percentage Composition: C 67.08%; H 4.38%; N 8.69%; O 19.86%
Biological Source: Present in plants, e.g. *Pyrus malus, Pisum sativum, Brassica* spp, and the marine algae *Undaria pinnatifida* and *Botryocladia leptopoda*
Melting Point: Mp 210-218° (198-200°)
pKa Value: pK_{a1} 3.87; pK_{a2} 15.59 (25°,NH)

Aldrich: 28473-4
Fluka: 57225
Rare Chemicals Library: S60373-2
Sigma: I2006

>>**Derivative:** α-L-Rhamnopyranosyl ester

Molecular Formula: $C_{15}H_{17}NO_6$
Molecular Weight: 307.302
Accurate Mass: 307.105589
Percentage Composition: C 58.63%; H 5.58%; N 4.56%; O 31.24%
Biological Source: Prod. by *Streptomyces* sp. GT 61150
Physical Description: Light yellow powder ($CHCl_3$/MeOH)
Melting Point: Mp 132-133°
Optical Rotation: $[\alpha]_D^{25}$ –36.8 (c, 0.1 in MeOH)
UV: [neutral] λ_{max} 211 (log ε 3.45); 227 (sh) (log ε 1.56); 284 (log ε 0.97) (MeOH)

>>**Derivative:** Me ester

CAS Registry Number: 942-24-5

Molecular Formula: $C_{10}H_9NO_2$
Molecular Weight: 175.187
Accurate Mass: 175.063329
Percentage Composition: C 68.56%; H 5.18%; N 8.00%; O 18.27%
Biological Source: Isol. from the red alga *Botryocladia leptopoda*
Melting Point: Mp 147-148° (140°)
Other Data: Probably an artifact
Aldrich: 39530-7

>>**Derivative:** Et ester

CAS Registry Number: 776-41-0
Molecular Formula: $C_{11}H_{11}NO_2$
Molecular Weight: 189.213
Accurate Mass: 189.078979
Percentage Composition: C 69.83%; H 5.86%; N 7.40%; O 16.91%
Melting Point: Mp 122-124°
Rare Chemicals Library: S28796-2

>>**Derivative:** Amide
Synonym(s): 1*H*-Indole-3-carboxamide, 9Cl

CAS Registry Number: 1670-85-5