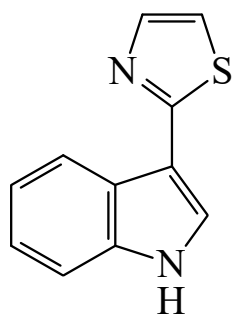




>>Entry Name: **3-(2-Thiazolyl)-1*H*-indole**, 9CI

Synonym(s): **Camalexin**. 2-(3-Indolyl)thiazole



CAS Registry Number: 135531-86-1

Molecular Formula: C₁₁H₈N₂S

Molecular Weight: 200.264

Accurate Mass: 200.040818

Percentage Composition: C 65.97%; H 4.03%; N 13.99%; S 16.01%

Biological Source: Alkaloid from the leaves of *Camelina sativa* infected by the fungus *Alternaria brassicae*

Use/Importance: Phytoalexin

Physical Description: Cryst. (MeOH)

Melting Point: Mp 134-137°

UV: [neutral] $\lambda_{\max}$ 214 (ϵ 22200); 274 (ϵ 7900); 318 (ϵ 13800) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 214 (ϵ 22200); 274 (ϵ 7900); 318 (ϵ 13800) (MeOH) (Berdy)

>>Derivative: *N*¹-Me

Synonym(s): 1-Methyl-3-(2-thiazolyl)-1*H*-indole, 9CI. **1-Methylcamalexin**

CAS Registry Number: 194155-86-7

Molecular Formula: C₁₂H₁₀N₂S

Molecular Weight: 214.29

Accurate Mass: 214.056468

Percentage Composition: C 67.26%; H 4.70%; N 13.07%; S 14.96%

Biological Source: From *Capsella bursa-pastoris* infected with *Alternaria brassicae*

Biological Use/Importance: Phytoalexin

>>Derivative: 6-Methoxy

Synonym(s): 6-Methoxy-3-(2-thiazolyl)-1*H*-indole. **Methoxycamalexin**

CAS Registry Number: 135531-87-2

Molecular Formula: C₁₂H₁₀N₂OS

Molecular Weight: 230.29

Accurate Mass: 230.051383

Percentage Composition: C 62.59%; H 4.38%; N 12.16%; O 6.95%; S 13.92%

Biological Source: From *Camelina sativa* infected with *Alternaria brassicae*

Use/Importance: Phytoalexin

Physical Description: Cryst. (MeOH/hexane)

Melting Point: Mp 157-159°

UV: [neutral] $\lambda_{\max}$ 218 (ϵ 21700); 296 (ϵ 11500); 324 (ϵ 11300) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 218 (ϵ 21700); 296 (ϵ 11500); 324 (ϵ 11200) (MeOH) (Berdy)

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