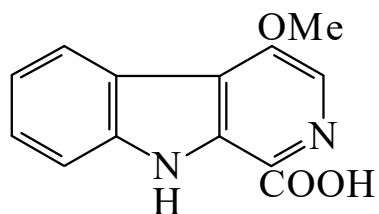




>>Entry Name: 4-Methoxy- β -carboline-1-carboxylic acid

Synonym(s): 4-Methoxy-9*H*-pyrido[3,4-*b*]indole-1-carboxylic acid, 9CI



Molecular Formula: C₁₃H₁₀N₂O₃

Molecular Weight: 242.234

Accurate Mass: 242.069143

Percentage Composition: C 64.46%; H 4.16%; N 11.56%; O 19.81%

>>Derivative: Me ester

Synonym(s): Methyl 4-methoxy- β -carboline-1-carboxylate. 4-Methoxy-1-methoxycarbonyl- β -carboline

CAS Registry Number: 60807-25-2

Molecular Formula: C₁₄H₁₂N₂O₃

Molecular Weight: 256.26

Accurate Mass: 256.084793

Percentage Composition: C 65.62%; H 4.72%; N 10.93%; O 18.73%

Biological Source: Alkaloid from root bark and cell cultures of *Ailanthus altissima*

Physical Description: Pale yellow needles (C₆H₆)

Melting Point: Mp 191-192°

UV: [neutral] $\lambda_{\max}$ 236 (log ϵ 4.32); 247 (log ϵ 4.29); 267 (log ϵ 4.41); 278 (log ϵ 4.31); 303 (log ϵ 3.94); 363 (log ϵ 3.87) (EtOH)

References:

Ohmoto, T. *et al.*, *Chem. Pharm. Bull.*, 1976, **24**, 1532, (*synth, uv, ir, pmr, ms*)

Varga, E. *et al.*, *Planta Med.*, 1980, **40**, 337, (*isol*)

Crespi-Pellerino, N. *et al.*, *J. Nat. Prod.*, 1986, **49**, 1010, (*isol*)

Suzuki, H. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 2170, (*synth*)

Suzuki, H. *et al.*, *Tetrahedron*, 1997, **53**, 1593, (*synth*)