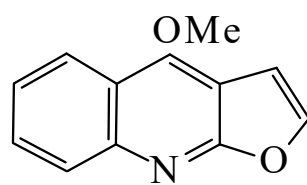




>>Entry Name: 4-Methoxyfuro[2,3-*b*]quinoline, 9Cl

Synonym(s): Dictamnine



CAS Registry Number: 484-29-7

Molecular Formula: C₁₂H₉NO₂

Molecular Weight: 199.209

Accurate Mass: 199.063329

Percentage Composition: C 72.35%; H 4.55%; N 7.03%; O 16.06%

Biological Source: Alkaloid from *Dictamnus albus* and widely distributed in the family Rutaceae

Use/Importance: Strong smooth muscle contractant

Melting Point: Mp 132-133°

>>Derivative: Picrate

Melting Point: Mp 164-165°

>>Derivative: *O*-De-Me, *O*-Et

Synonym(s): 4-Ethoxyfuro[2,3-*b*]quinoline, 9Cl. ***O*-Ethyl**nordictamnine

CAS Registry Number: 95874-16-1

Molecular Formula: C₁₃H₁₁NO₂

Molecular Weight: 213.235

Accurate Mass: 213.078979

Percentage Composition: C 73.23%; H 5.20%; N 6.57%; O 15.01%

Biological Source: Alkaloid from roots of *Dictamnus dasycarpus* (Rutaceae)

References:

- Asahina, Y. *et al.*, *Ber.*, 1930, **63**, 2045, (*isol*)
Grundon, M.F. *et al.*, *J.C.S.*, 1957, 2177, (*ir, uv, synth*)
Robertson, A.V., *Aust. J. Chem.*, 1963, **16**, 451, (*pmr*)
Clugston, D.M. *et al.*, *Can. J. Chem.*, 1965, **43**, 2516, (*ms*)
Collins, J.F. *et al.*, *J.C.S. Perkin I*, 1974, 2177, (*biosynth*)
Narasimhan, N.S. *et al.*, *Tetrahedron*, 1974, **30**, 4153-4157, (*synth*)
Lin, T.P. *et al.*, *Hua Hsueh*, 1986, **44**, 96; *CA*, **106**, 30033n, (*O-Ethyl*nordictamnine)