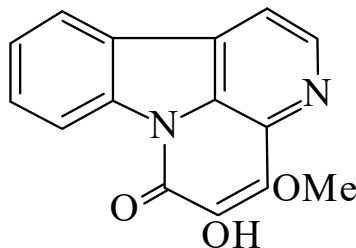




>>Entry Name: Nigakinone

Synonym(s): 5-Hydroxy-4-methoxy-6*H*-indolo[3,2,1-*de*][1,5]naphthyridin-6-one, 9Cl. 5-Hydroxy-4-methoxycanthin-6-one



CAS Registry Number: 18110-86-6

Molecular Formula: C₁₅H₁₀N₂O₃

Molecular Weight: 266.256

Accurate Mass: 266.069143

Percentage Composition: C 67.67%; H 3.79%; N 10.52%; O 18.03%

Biological Source: Alkaloid from the stems of *Picrasma ailanthoides*, the wood of *Picrasma excelsa* and the heartwood of *Picrasma quassioides* (Simaroubaceae)

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 223-224 dec.°

>>Derivative: Ac

Physical Description: Needles (MeOH)

Melting Point: Mp 194 dec.°

>>Derivative: Me ether

Synonym(s): 4,5-Dimethoxycanthin-6-one. 4,5-Dimethoxy-6*H*-indolo[3,2,1-*de*][1,5]naphthyridin-6-one, 9Cl. Methylnigakinone

CAS Registry Number: 18110-87-7

Molecular Formula: C₁₆H₁₂N₂O₃

Molecular Weight: 280.282

Accurate Mass: 280.084793

Percentage Composition: C 68.57%; H 4.32%; N 9.99%; O 17.12%

Biological Source: Alkaloid from the stems and wood of *Picrasma ailanthoides*, the heartwood of *Picrasma quassioides* and trunk bark of *Odyndea gabonensis* (Simaroubaceae)

Physical Description: Pale-yellow needles (MeOH)

Melting Point: Mp 147.3-147.5°

>>Derivative: Me ether, picrate

Physical Description: Bright-yellow prisms (EtOH)

Melting Point: Mp 185-186 dec.°

>>Derivative: *N*-Oxide

Synonym(s): 5-Hydroxy-4-methoxy-6-canthinone 3-*N*-oxide

CAS Registry Number: 129722-98-1

Molecular Formula: C₁₅H₁₀N₂O₄

Molecular Weight: 282.255

Accurate Mass: 282.064058

Percentage Composition: C 63.83%; H 3.57%; N 9.92%; O 22.67%

Biological Source: Alkaloid from the wood of *Quassia amara* (Simaroubaceae)

Physical Description: Red-orange powder (EtOH)

Melting Point: Mp 300°

References:

Inamoto, N. *et al.*, *Bull. Chem. Soc. Jpn.*, 1961, **34**, 888, (*isol, uv, ir, struct, deriv*)

Kondo, Y. *et al.*, *Chem. Pharm. Bull.*, 1973, **21**, 837, (*isol, pmr, struct*)

Wagner, H. *et al.*, *Planta Med.*, 1979, **36**, 113, (*isol*)

Forgacs, P. *et al.*, *Planta Med.*, 1982, **46**, 187, (*isol, deriv*)

Barbetti, P. *et al.*, *Planta Med.*, 1990, **56**, 216, (*oxide*)