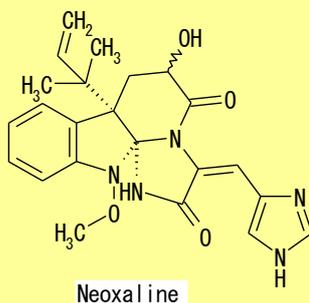


Structure



Origin: *Aspergillus japonicus*. Fg-551

CAS Registry Number: 71812-10-7

CA Index Name: 7a-(1,1-Dimethyl-2-propenyl)-6,7,7a,12-tetrahydro-6-hydroxy-3-(1H-imidazol-4-ylmethylene)-12-methoxy-1H,5H-imidazo[1',2':1,2]pyrido[2,3-b]indole-2,5(3H)-dione

Appearance: white solid

Molecular Formula/ Weight: C₂₃H₂₅N₅O₄=435.48

Melting Point: 205°C dec. **Purity:** 98>% by HPLC

Solubility: Sol. MeOH, Chloroform, EtOAc
Inso. Water, Hexane

pKa:

log P:

Background Information:

Neoxaline, which is alkaloid, was isolated from *Aspergillus japonicus*¹⁾. Neoxaline is an antimitotic agent. Neoxaline shows weak inhibitory activity of blood platelet aggregation induced by stimulation of the central nervous system²⁾.

Handling and Storage:

Store at -20°C.

References:

1. A. Hirano, et. al., J Antibiot (Tokyo), **32**, 781-785 (1979).
2. S. Ōmura, et. al., Chemical screening Chap. 14 in The Search for bioactive compounds from microorganisms. pp. 269 (1992).

Manufactured with Cortesy strain from The Kitasato Institute.

(ID#: Fg-551)