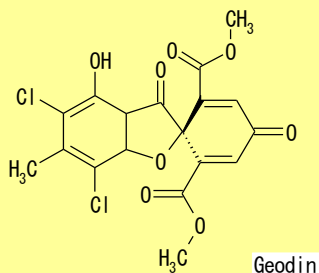


Geodin

Cat.# BLK0440

Structure

Origin: *Penicillium* sp FKI-5002

CAS Registry Number: 427-63-4

CA Index Name: (R)-5,7-Dichloro-4-hydroxy-6'-methoxy-6-methyl-3,4'-dioxospiro[benzofuran-2(3H),1'-[2,5]cyclohexadiene]-2'-carboxylic Acid Methyl Ester

Appearance: pale yellow needles

Molecular Formula/ Weight: C₁₇H₁₂Cl₂O₇=399.18

Melting Point: 228-231°C Purity: 95% by HPLC

Solubility: Sol. MeOH, Chloroform, Acetone, EtOAc, DMSO
Inso. water, Hexane

pKa:

log P:

Background Information:

Geodin, which is a metabolic product containing two chlorine, was isolated from *Aspergillus terreus*¹⁾. Geodin is a seco-anthraquinone derived from an octaketide anthraquinone. Geodin acts as an inhibitor of plasminogen activator inhibitor (PAI-1)²⁾

Handling and Storage:

Store at -20°C.

References:

1. H. Raistrick, G. Smith., *Biochem. J.*, **30**, 1315-1322 (1936).
2. C. Shinohara, et. al., *J. Antibiot. (Tokyo)*. **53**, 262-268 (2000).

Manufactured with Cortesy strain from The Kitasato Institute.

(ID#: FKI-5002)