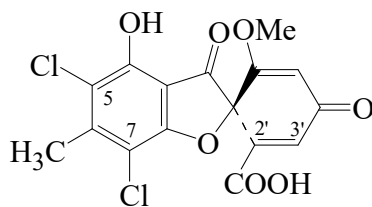




>>Entry Name: Erdin

Synonym(s): 5,7-Dichloro-4-hydroxy-6'-methoxy-6-methyl-3,4'-dioxospiro[benzofuran-2(3H),1'[2,5]cyclohexadiene]-2'-carboxylic acid, 9Cl



(R)-form

CAS Registry Number: 26891-81-6

Molecular Formula: C₁₆H₁₀Cl₂O₇

Molecular Weight: 385.156

Accurate Mass: 383.980359

Percentage Composition: C 49.90%; H 2.62%; Cl 18.41%; O 29.08%

General Statement: Most refs. refer to Geodin

>>Variant: (R)-form

Molecular Formula: C₁₆H₁₀Cl₂O₇

Molecular Weight: 385.156

Accurate Mass: 383.980359

Percentage Composition: C 49.90%; H 2.62%; Cl 18.41%; O 29.08%

Biological Source: Metab. prod. from *Aspergillus terreus*

Physical Description: Fine yellow needles (EtOAc)

Melting Point: Mp 210-212 dec.°

Optical Rotation: [α]_D +149 (c, 0.41 in dioxan)

UV: [neutral] λ_{max} 284 (ε 21000) (MeOH) (Berdy)

>>Derivative: Me ester

Synonym(s): Geodin. Estin

CAS Registry Number: 427-63-4

Molecular Formula: C₁₇H₁₂Cl₂O₇

Molecular Weight: 399.183

Accurate Mass: 397.996009

Percentage Composition: C 51.15%; H 3.03%; Cl 17.76%; O 28.06%

Biological Source: Metab. prod. of *Aspergillus terreus*

Biological Use/Importance: Antibiotic. Enhances fibrinolysis

Physical Description: Pale yellow needles (CHCl₃/Et₂O)

Melting Point: Mp 236° (228-231°)

Optical Rotation: [α]_D +140 (c, 0.8 in CHCl₃)

>>Derivative: Ac, Me ester

Molecular Formula: C₁₉H₁₄Cl₂O₈

Molecular Weight: 441.22

Accurate Mass: 440.006574

Percentage Composition: C 51.72%; H 3.20%; Cl 16.07%; O 29.01%

Physical Description: Needles (MeOH)

Melting Point: Mp 174-175°

Optical Rotation: [α]_D +180 (c, 0.4 in dioxan)

>>Derivative: Me ether, Me ester

Molecular Formula: C₁₈H₁₄Cl₂O₇

Molecular Weight: 413.21

Percentage Composition: C 52.32%; H 3.41%; Cl 17.16%; O 27.10%

Physical Description: Plates (CHCl₃/Et₂O)

Melting Point: Mp 173°

Optical Rotation: [α]_D +170 (CHCl₃)