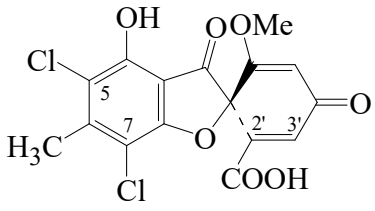
>>**Entry Name: Erdin**
Synonym(s): 5,7-Dichloro-4-hydroxy-6'-methoxy-6-methyl-3,4'-dioxospiro[benzofuran-2(3*H*),1'[2,5]cyclohexadiene]-2'-carboxylic acid, 9Cl



(*R*)-*form*

CAS Registry Number: 26891-81-6

Molecular Formula: $C_{16}H_{10}Cl_2O_7$
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: $C_{16}H_{10}Cl_2O_7$
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: $[\alpha]_D$ +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: $C_{17}H_{12}Cl_2O_7$
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 ($CHCl_3/Et_2O$)
Melting Point: Mp 236° (228-231°)
Optical Rotation: $[\alpha]_D$ +140 (c, 0.8 in $CHCl_3$)

>>**Derivative:** Ac, Me ester

Molecular Formula: $C_{19}H_{14}Cl_2O_8$
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: $[\alpha]_D$ +180 (c, 0.4 in dioxan)

>>**Derivative:** Me ether, Me ester

Molecular Formula: $C_{18}H_{14}Cl_2O_7$
Molecular Weight: 413.21
Percentage Composition: C 52.32%; H 3.41%; Cl 17.16%; O 27.10%
Physical Description: Plates ($CHCl_3/Et_2O$)
Melting Point: Mp 173°
Optical Rotation: $[\alpha]_D$ +170 ($CHCl_3$)

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