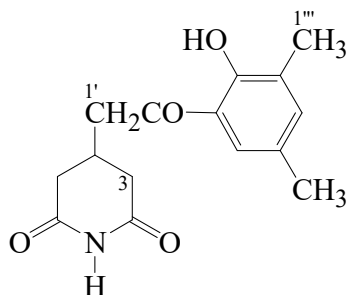




>>Entry Name: Actiphenol

Synonym(s): 4-[2-(2-Hydroxy-3,5-dimethylphenyl)-2-oxoethyl]-2,6-piperidinedione, 9Cl. 3-(2-Hydroxy-3,5-dimethylphenacyl)glutarimide, 8Cl. C 73. Antibiotic C 73



CAS Registry Number: 526-02-3

Molecular Formula: C₁₅H₁₇NO₄

Molecular Weight: 275.304

Accurate Mass: 275.115759

Percentage Composition: C 65.44%; H 6.22%; N 5.09%; O 23.25%

Biological Source: Prod. by *Streptomyces noursei*, *Streptomyces albulus*, *Streptomyces griseus* and *Streptomyces pulveraceus*

Biological Use/Importance: Fungicide and shows antitumour props.

Physical Description: Needles (MeOH/CH₂Cl₂)

Melting Point: Mp 201-203°

>>Derivative: 3-Hydroxy (3,4-*trans*-)

Synonym(s): Antibiotic C73X. C73X

CAS Registry Number: 20988-33-4

Molecular Formula: C₁₅H₁₇NO₅

Molecular Weight: 291.303

Accurate Mass: 291.110674

Percentage Composition: C 61.85%; H 5.88%; N 4.81%; O 27.46%

Biological Source: Prod. by *Streptomyces griseus*

Physical Description: Cryst.

UV: [neutral] λ_{max} 262 (ε 11700); 347 (ε 4300) (MeOH)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ipr) 100 - 200 mg/kg