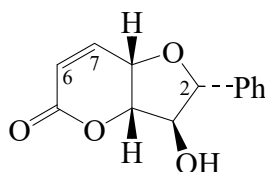




>>Entry Name: Altholactone

Synonym(s): 2,3,3a,7a-Tetrahydro-3-hydroxy-2-phenyl-5H-furo[3,2-b]pyran-5-one, 9Cl. Goniiothalenol



CAS Registry Number: 65408-91-5

Molecular Formula: $C_{13}H_{12}O_4$

Molecular Weight: 232.235

Accurate Mass: 232.07356

Percentage Composition: C 67.23%; H 5.21%; O 27.56%

Biological Source: Constit. of *Polyalthia* spp. and *Goniiothalamus giganteus*

Biological Use/Importance: Cytotoxic agent

Physical Description: Cryst. (H_2O or C_6H_6)

Melting Point: Mp 75°

Optical Rotation: $[\alpha]_D^{20} +188$ (c, 0.5 in EtOH)

UV: [neutral] λ_{max} 216 (ϵ 480); 263 (ϵ 398) (MeOH) (Derep)

>>Derivative: Ac

Synonym(s): Acetylaltholactone

CAS Registry Number: 65409-11-2

Molecular Formula: $C_{15}H_{14}O_5$

Molecular Weight: 274.273

Percentage Composition: C 65.69%; H 5.14%; O 29.17%

Biological Source: Constit. of *Goniiothalamus arvensis*

Biological Use/Importance: Cytotoxic agent

Physical Description: Cryst. (CH_2Cl_2 /EtOAc)

Melting Point: Mp 142°

Optical Rotation: $[\alpha]_D +166.6$ (c, 0.3 in EtOH)