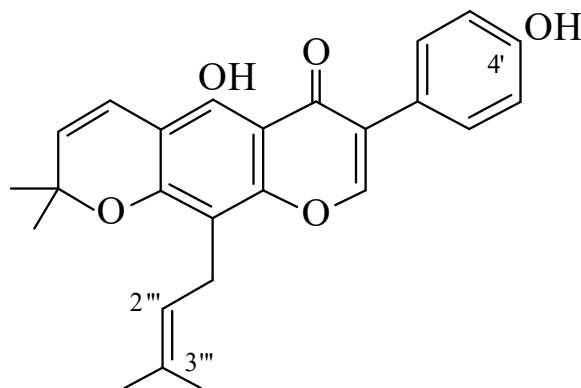




>>Entry Name: Scandenone

Synonym(s): 5-Hydroxy-7-(4-hydroxyphenyl)-2,2-dimethyl-10-(3-methyl-2-butenyl)-2*H*,6*H*-benzo[1,2-*b*:5,4-*b'*]dipyran-6-one, 9Cl. 5,4'-Dihydroxy-8-isopentenyl-6,6"-dimethylpyrano[2",3":7,6]isoflavone. Warangalone



CAS Registry Number: 4449-55-2

Molecular Formula: C₂₅H₂₄O₅

Molecular Weight: 404.462

Accurate Mass: 404.162375

Percentage Composition: C 74.24%; H 5.98%; O 19.78%

Biological Source: Constit. of the root of *Derris scandens*, also from *Euchresta japonica*, *Tephrosia elata* and *Erythrina senegalensis*

Physical Description: Prisms (EtOH aq. or xylene), needles (MeOH)

Melting Point: Mp 148.5-150.5° (163-165°)

>>Derivative: 4'-Ac

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 158-160°

>>Derivative: 4'-Me ether

Physical Description: Needles (petrol)

Melting Point: Mp 109-110°

>>Derivative: Δ^{3''}-Isomer, 2'''-hydroxy

Synonym(s): Euchrenone b₈

CAS Registry Number: 130170-04-6

Molecular Formula: C₂₅H₂₄O₆

Molecular Weight: 420.461

Accurate Mass: 420.15729

Percentage Composition: C 71.42%; H 5.75%; O 22.83%

Biological Source: Isol. from *Euchresta horsfieldii*

Physical Description: Yellow oil

>>Derivative: 2'',3'''-Dihydro, 3'''-hydroxy

Synonym(s): Euchrenone b₆

CAS Registry Number: 130170-02-4

Molecular Formula: C₂₅H₂₆O₆

Molecular Weight: 422.477

Accurate Mass: 422.17294

Percentage Composition: C 71.07%; H 6.20%; O 22.72%

Biological Source: Isol. from *Euchresta horsfieldii*

Physical Description: Yellow oil