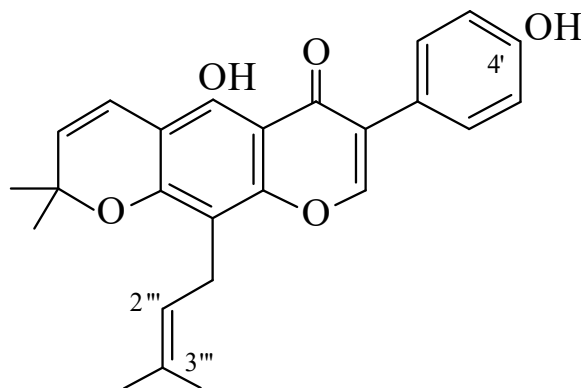




>>Entry Name: Scandenone

**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:** C<sub>25</sub>H<sub>24</sub>O<sub>5</sub>

**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<sup>3'''</sup>-Isomer, 2'''-hydroxy

**Synonym(s):** Euchrenone b<sub>8</sub>

**CAS Registry Number:** 130170-04-6

**Molecular Formula:** C<sub>25</sub>H<sub>24</sub>O<sub>6</sub>

**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 b<sub>6</sub>

**CAS Registry Number:** 130170-02-4

**Molecular Formula:** C<sub>25</sub>H<sub>26</sub>O<sub>6</sub>

**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