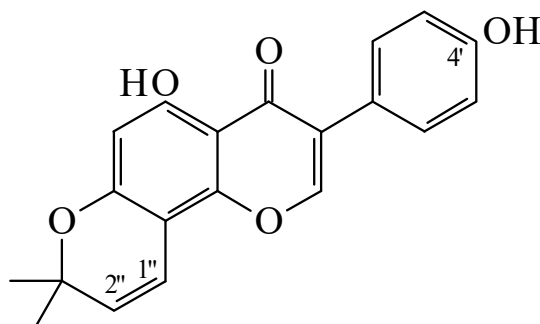




>>Entry Name: Derrone

Synonym(s): 5-Hydroxy-3-(4-hydroxyphenyl)-8,8-dimethyl-4*H*,8*H*-benzo[1,2-*b*:3,4-*b'*]dipyrans-4-one, 9Cl



CAS Registry Number: 76166-59-1

Molecular Formula: C₂₀H₁₆O₅

Molecular Weight: 336.343

Accurate Mass: 336.099775

Percentage Composition: C 71.42%; H 4.79%; O 23.78%

Biological Source: Isol. from seeds of *Derris robusta*

Physical Description: Cryst.

Melting Point: Mp 216-218°

>>Derivative: Di-Ac

Physical Description: Needles

Melting Point: Mp 225-227°

>>Derivative: 4'-Me ether

Synonym(s): 4'-*O*-Methylderrone

CAS Registry Number: 34086-52-7

Molecular Formula: C₂₁H₁₈O₅

Molecular Weight: 350.37

Accurate Mass: 350.115425

Percentage Composition: C 71.99%; H 5.18%; O 22.83%

Biological Source: Isol. from *Derris robusta*, *Calopogonium mucunoides* and *Millettia pachycarpa*

Melting Point: Mp 170-172°

>>Derivative: 5-Me ether

Synonym(s): 5-*O*-Methylderrone. Lanceolone

CAS Registry Number: 104703-99-3

Molecular Formula: C₂₁H₁₈O₅

Molecular Weight: 350.37

Accurate Mass: 350.115425

Percentage Composition: C 71.99%; H 5.18%; O 22.83%

Biological Source: Isol. from *Lupinus luteus* and *Lophira lanceolata*

Physical Description: Pale yellow needles

Melting Point: Mp 264-266°

>>Derivative: 1",2"-Dihydro

Synonym(s): Crotalarin

CAS Registry Number: 109517-68-2

Biological Source: Isol. from *Crotalaria madurensis*

Physical Description: Needles (CHCl₃/MeOH)

Melting Point: Mp 281-285°

References: