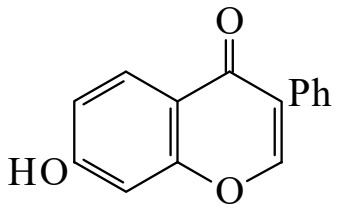
>>**Entry Name: 7-Hydroxyisoflavone,** 8CI
ENTRY UNDER REVIEW
Synonym(s): 7-Hydroxy-3-phenyl-4*H*-1-benzopyran-4-one, 9CI



CAS Registry Number: 13057-72-2

Molecular Formula: $C_{15}H_{10}O_3$
Molecular Weight: 238.242
Accurate Mass: 238.062995
Percentage Composition: C 75.62%; H 4.23%; O 20.15%
Biological Source: Constit. of the flowers of *Thespesia populnea*
Physical Description: Leaflets (EtOH)
Melting Point: Mp 215° (209-210°)
Other Data: H_2SO_4 → sky-blue fluor.

>>**Derivative:** Ac

Molecular Formula: $C_{17}H_{12}O_4$
Molecular Weight: 280.279
Accurate Mass: 280.07356
Percentage Composition: C 72.85%; H 4.32%; O 22.83%
Physical Description: Needles (EtOH)
Melting Point: Mp 139°

>>**Derivative:** Me ether
Synonym(s): 7-Methoxyisoflavone

CAS Registry Number: 1621-56-3
Molecular Formula: $C_{16}H_{12}O_3$
Molecular Weight: 252.269
Accurate Mass: 252.078645
Percentage Composition: C 76.18%; H 4.79%; O 19.03%
Physical Description: Plates (EtOH)
Melting Point: Mp 156°
Rare Chemicals Library: S25805-9

>>**Derivative:** Isopropyl ether
Synonym(s): 7-Isopropoxyisoflavone. **Ipriflavone,** INN. Osten. Yambolap. FL113

CAS Registry Number: 35212-22-7

Molecular Formula: $C_{18}H_{16}O_3$
Molecular Weight: 280.323
Accurate Mass: 280.109945
Percentage Composition: C 77.12%; H 5.75%; O 17.12%
Use/Importance: Feed additive
Biological Use/Importance: Catabolic agent. Calcium regulator used in the treatment of osteoporosis
Physical Description: Cryst. (Me_2CO)
Development Status: Launched 1989
Melting Point: Mp 115-117°

>>**Derivative:** Benzyl ether

CAS Registry Number: 4253-05-8
Molecular Formula: $C_{22}H_{16}O_3$
Molecular Weight: 328.367
Accurate Mass: 328.109945
Percentage Composition: C 80.47%; H 4.91%; O 14.62%
Physical Description: Plates (EtOH)
Melting Point: Mp 171°