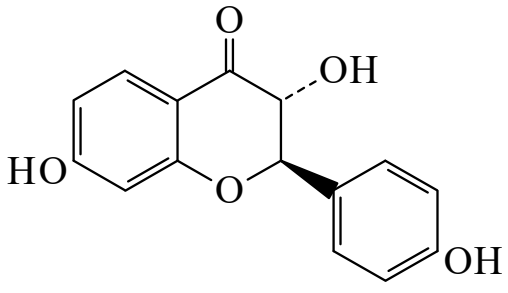
>>**Entry Name: 3,4',7-Trihydroxyflavanone**
Synonym(s): 2,3-Dihydro-3,7-dihydroxy-2-(4-hydroxyphenyl)-4*H*-1-benzopyran-4-one, 9CI. 4',7-Dihydroxydihydroflavanol. **Garbanzol**



Related CAS Registry Numbers(s): 1807-98-3

Molecular Formula: $C_{15}H_{12}O_5$
Molecular Weight: 272.257
Accurate Mass: 272.068475
Percentage Composition: C 66.17%; H 4.44%; O 29.38%

>>**Variant:** (2*R*,3*R*)-form

CAS Registry Number: 1226-22-8

Molecular Formula: $C_{15}H_{12}O_5$
Molecular Weight: 272.257
Accurate Mass: 272.068475
Percentage Composition: C 66.17%; H 4.44%; O 29.38%
Biological Source: Isol. from *Acacia mearnsii, Cicer arietinum, Capsella bursa-pastoris, Onobrychis viciifolia* and *Pterocarpus marsupium*
Physical Description: Needles (H_2O)
Melting Point: Mp 207-208°
UV: [neutral] λ_{max} 274 (); 310 () (MeOH) (Berdy) [base] λ_{max} 250 (); 334 () (MeOH-NAOH) (Berdy) [neutral] λ_{max} 276 (); 311 () (EtOH) (Berdy)

>>**Derivative:** 3-*O*-β-D-Glucopyranoside
Synonym(s): Lecontin

CAS Registry Number: 19146-28-2

Molecular Formula: $C_{21}H_{22}O_{10}$
Molecular Weight: 434.399
Accurate Mass: 434.1213
Percentage Composition: C 58.06%; H 5.10%; O 36.83%
Biological Source: Isol. from *Baptisia lecontei*
Physical Description: Glass
Melting Point: Mp 125-130°
Optical Rotation: $[\alpha]_D^{25}$ –16.75 (c, 1.83 in H_2O)

>>**Derivative:** 3-Ac
Synonym(s): 3-Acetoxy-4',7-dihydroxyflavanone. 3-*O*-Acetylgarbanzol

CAS Registry Number: 135607-78-2

Molecular Formula: $C_{17}H_{14}O_6$
Molecular Weight: 314.294
Accurate Mass: 314.07904
Percentage Composition: C 64.97%; H 4.49%; O 30.54%
Biological Source: Constit. of *Inula viscosa*

>>**Derivative:** 4'-Me ether, 7-*O*-[β-D-xylopyranosyl-(1→6)-β-D-glucopyranoside]
Synonym(s): Kushenol J

CAS Registry Number: 101236-48-0

Molecular Formula: $C_{27}H_{32}O_{14}$
Molecular Weight: 580.541
Accurate Mass: 580.17921
Percentage Composition: C 55.86%; H 5.56%; O 38.58%
Biological Source: Isol. from *Sophora flavescens*

References: