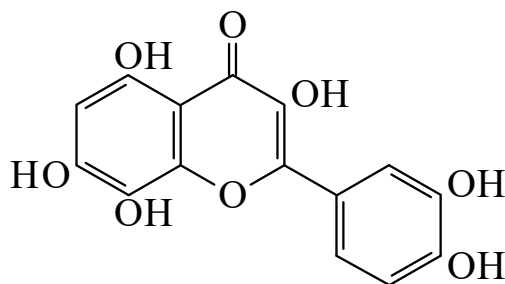




>>Entry Name: 3,3',4',5,7,8-Hexahydroxyflavone

ENTRY UNDER REVIEW

Synonym(s): 2-(3,4-Dihydroxyphenyl)-3,5,7,8-tetrahydroxy-4*H*-1-benzopyran-4-one, 9Cl. 3',4',5,7,8-Pentahydroxyflavonol. **Gossypetin**. Articulatidin. Equisporol



CAS Registry Number: 489-35-0

Related CAS Registry Numbers(s): 11084-66-5 27215-32-3 28454-90-2 63109-35-3

Molecular Formula: C₁₅H₁₀O₈

Molecular Weight: 318.239

Accurate Mass: 318.03757

Percentage Composition: C 56.61%; H 3.17%; O 40.22%

Physical Description: Yellow needles (EtOH aq.)

Melting Point: Mp 310-314° (305°)

>>Derivative: 3-*O*-β-D-Galactopyranoside

CAS Registry Number: 76960-04-8

Molecular Formula: C₂₁H₂₀O₁₃

Molecular Weight: 480.381

Accurate Mass: 480.090395

Percentage Composition: C 52.51%; H 4.20%; O 43.30%

Biological Source: Isol. from *Lotus corniculatus* and *Rhododendron* spp.

>>Derivative: 3-*O*-β-D-Glucopyranoside

Synonym(s): Gossytrin

CAS Registry Number: 38965-52-5

Molecular Formula: C₂₁H₂₀O₁₃

Molecular Weight: 480.381

Accurate Mass: 480.090395

Percentage Composition: C 52.51%; H 4.20%; O 43.30%

Biological Source: Constit. of *Hibiscus* and *Gossypium* spp.

Physical Description: Light yellow prisms + 2H₂O (Et₂O/EtOH)

Melting Point: Mp 182-184°

>>Derivative: 7-*O*-α-D-Glucopyranoside

Synonym(s): Isogossypitrin

CAS Registry Number: 130876-02-7

Molecular Formula: C₂₁H₂₀O₁₃

Molecular Weight: 480.381

Accurate Mass: 480.090395

Percentage Composition: C 52.51%; H 4.20%; O 43.30%

Biological Source: Isol. from *Drosera peltata*

Other Data: Proof of struct. not given in ref.

>>Derivative: 7-*O*-β-D-Glucopyranoside

Synonym(s): Gossypitrin. Equisporoside. Articulatin

CAS Registry Number: 489-34-9

Molecular Formula: C₂₁H₂₀O₁₃

Molecular Weight: 480.381

Accurate Mass: 480.090395

Percentage Composition: C 52.51%; H 4.20%; O 43.30%

Biological Source: Isol. from *Gossypium* spp., *Hibiscus* spp. and other plants

Physical Description: Yellow needles (EtOH aq.)

Melting Point: Mp 251-252° (216°)

Optical Rotation: [α]