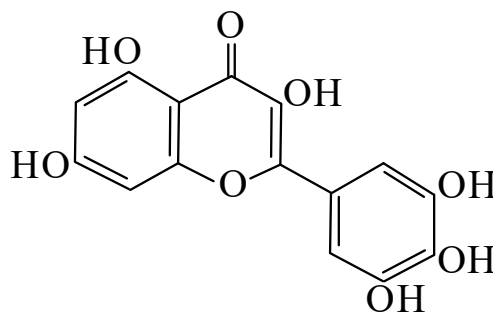




>>Entry Name: 3,3',4',5,5',7-Hexahydroxyflavone

ENTRY UNDER REVIEW

Synonym(s): 3,5,7-Trihydroxy-2-(3,4,5-trihydroxyphenyl)-4*H*-1-benzopyran-4-one, 9Cl. 3',4',5,5',7-Pentahydroxyflavonol. **Myricetin**. Cannabiscetin. Myricetol



CAS Registry Number: 529-44-2

Related CAS Registry Numbers(s): 6822-41-9 28454-80-0 29662-78-0 36116-88-8 39049-12-2 79191-63-2

Molecular Formula: C₁₅H₁₀O₈

Molecular Weight: 318.239

Accurate Mass: 318.03757

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

Use/Importance: Used as 0.1% soln. in Me₂CO or DMF for fluorimetric detn. of Sc

Biological Use/Importance: Shows anti-HIV activity

Physical Description: Light yellow needles (EtOH aq.)

Melting Point: Mp 357-360 dec.°

Solubility: Sol. Me₂CO, DMF

Calculated Log P Data: Log P -0.95 (calc)

UV: [neutral] λ_{max} 252 (); 374 () (MeOH) (Berdy) [neutral] λ_{max} 255 (); 375 () (EtOH) (Berdy) [base] λ_{max} 285 (); 437 () (MeOH-NAOH) (Berdy)

Aldrich: 11481-2

Fluka: 70050

Sigma: M6760

>>Derivative: 3-*O*-α-L-Arabinofuranoside

Synonym(s): Betmidin

CAS Registry Number: 35589-22-1

Molecular Formula: C₂₀H₁₈O₁₂

Molecular Weight: 450.355

Accurate Mass: 450.07983

Percentage Composition: C 53.34%; H 4.03%; O 42.63%

Biological Source: Isol. from *Betula* spp., *Lysimachia* and *Sedum* spp.

Physical Description: Yellow needles (MeCN aq.)

Melting Point: Mp 233-234°

>>Derivative: 3-*O*-α-L-Arabinopyranoside

CAS Registry Number: 132679-85-7

Molecular Formula: C₂₀H₁₈O₁₂

Molecular Weight: 450.355

Accurate Mass: 450.07983

Percentage Composition: C 53.34%; H 4.03%; O 42.63%

Biological Source: Constit. of *Woodfordia fruticosa*

Physical Description: Pale yellow powder

Optical Rotation: [α]_D -54.2 (c, 0.1 in MeOH)