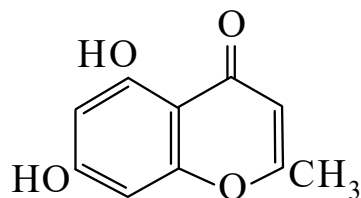




>>Entry Name: 5,7-Dihydroxy-2-methyl-4*H*-1-benzopyran-4-one, 9CI

ENTRY UNDER REVIEW

Synonym(s): 5,7-Dihydroxy-2-methylchromone. Noreugenin



CAS Registry Number: 1013-69-0

Molecular Formula: C₁₀H₈O₄

Molecular Weight: 192.171

Accurate Mass: 192.04226

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Biological Source: Constit. of *Adina rubescens*, *Adina racemosa* and *Amoora rohituka*

Physical Description: Needles (MeOH). Cryst. (EtOH)

Melting Point: Mp 279° (275-280°)

>>Derivative: 5-*O*-β-D-Glucopyranoside

Synonym(s): Schumanniofioside A

CAS Registry Number: 128396-15-6

Molecular Formula: C₁₆H₁₈O₉

Molecular Weight: 354.313

Accurate Mass: 354.095085

Percentage Composition: C 54.24%; H 5.12%; O 40.64%

Biological Source: Constit. of *Schumanniophyton magnificum*

Physical Description: Granules (MeOH)

Melting Point: Mp 162-163°

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

Synonym(s): Undulatoside A

CAS Registry Number: 58108-99-9

Molecular Formula: C₁₆H₁₈O₉

Molecular Weight: 354.313

Accurate Mass: 354.095085

Percentage Composition: C 54.24%; H 5.12%; O 40.64%

Biological Source: Constit. of *Adina rubescens*, *Ammi visnagi*, *Nauclea* sp., *Tecomella* sp. and other spp.

Physical Description: Needles (MeOH) or hygroscopic solid

Melting Point: Mp 245-248° (235-237°)

Optical Rotation: $[\alpha]_D^{25}$ -50 (Py). $[\alpha]_D^{27}$ -169 (c, 0.71 in MeOH)

>>Derivative: 7-*O*-[β-D-Glucopyranosyl-(1→2)-apiofuranoside]

Synonym(s): Schumanniofioside B

CAS Registry Number: 128396-16-7

Molecular Formula: C₂₁H₂₆O₁₃

Molecular Weight: 486.429

Accurate Mass: 486.137345

Percentage Composition: C 51.85%; H 5.39%; O 42.76%

Biological Source: Constit. of *Schumanniophyton magnificum*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 251-252°