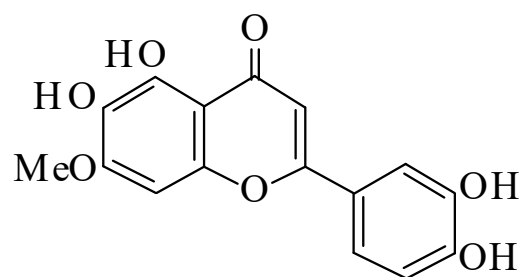




>>Entry Name: 3',4',5,6-Tetrahydroxy-7-methoxyflavone

Synonym(s): 2-(3,4-Dihydroxyphenyl)-5,6-dihydroxy-7-methoxy-4*H*-1-benzopyran-4-one, 9Cl. **Pedalitin**



CAS Registry Number: 22384-63-0

Related CAS Registry Numbers(s): 75423-06-2

Molecular Formula: C₁₆H₁₂O₇

Molecular Weight: 316.267

Accurate Mass: 316.058305

Percentage Composition: C 60.76%; H 3.82%; O 35.41%

Biological Source: Isol. from *Frullania* spp., *Sullivantia* spp., *Pedaliium murex*, *Eupatorium* spp. and *Sesamum indicum*

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 300-301 dec.°

UV: [neutral] $\lambda_{\max}$ 284 (ϵ 12000); 343 (ϵ 19400) (EtOH) (Berdy)

>>Derivative: Tetra-Ac

Physical Description: Needles (MeOH)

Melting Point: Mp 242-243°

>>Derivative: 6-*O*- β -D-Glucopyranoside

Synonym(s): Pedaliin

CAS Registry Number: 22860-72-6

Molecular Formula: C₂₂H₂₂O₁₂

Molecular Weight: 478.409

Accurate Mass: 478.11113

Percentage Composition: C 55.23%; H 4.63%; O 40.13%

Biological Source: From leaves of *Sesamum indicum*

Physical Description: Pale-yellow needles (Py aq.)

Melting Point: Mp 254 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{19} +27.2$ (c, 0.294 in Py/EtOH)

>>Derivative: 6-*O*- β -D-Galactopyranoside

CAS Registry Number: 76449-91-7

Molecular Formula: C₂₂H₂₂O₁₂

Molecular Weight: 478.409

Accurate Mass: 478.11113

Percentage Composition: C 55.23%; H 4.63%; O 40.13%

Biological Source: Isol. from *Sullivantia* spp.

>>Derivative: 3-*O*-[β -D-Galactopyranosyl]- β -D-glucopyranoside]

CAS Registry Number: 77139-23-2

Molecular Formula: C₂₈H₃₂O₁₇

Molecular Weight: 640.551

Accurate Mass: 640.163955

Percentage Composition: C 52.50%; H 5.04%; O 42.46%

Biological Source: Isol. from *Sullivantia* spp.

References: