



Biological Source: Constit. of the leaves of *Didymocarpus pedicellata*

Physical Description: Pale yellow needles (petrol/C₆H₆)

Melting Point: Mp 154° (synthetic). Mp 103-104° (natural)

Optical Rotation: [α]_D -12.8 (c, 0.7 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 282 (ϵ 50000) (EtOH) (Berdy) [base] $\lambda_{\max}$ 296 (ϵ 40000) (EtOH-NaOH) (Berdy)

Other Data: Struct. of nat. prod. needs revision. Not the same as Didymocarpin A above

>>Derivative: 5,7,8-Tri-Me ether

Synonym(s): 6-Hydroxy-5,7,8-trimethoxyflavanone. **Isopedicin**

CAS Registry Number: 4431-42-9

Molecular Formula: C₁₈H₁₈O₆

Molecular Weight: 330.337

Accurate Mass: 330.11034

Percentage Composition: C 65.45%; H 5.49%; O 29.06%

Biological Source: Isol. from *Didymocarpus pedicellata* and *Fissistigma polyanthoides*

Physical Description: Needles (C₆H₆/petrol)

Melting Point: Mp 105-107°

>>Derivative: 6,7,8-Tri-Me ether

Synonym(s): 5-Hydroxy-6,7,8-trimethoxyflavanone

CAS Registry Number: 75428-50-1

Molecular Formula: C₁₈H₁₈O₆

Molecular Weight: 330.337

Accurate Mass: 330.11034

Percentage Composition: C 65.45%; H 5.49%; O 29.06%

Biological Source: Isol. from *Didymocarpus pedicellata*

Physical Description: Light yellow needles (EtOAc/petrol)

Melting Point: Mp 98°

>>Derivative: Tetra-Me ether

Synonym(s): 5,6,7,8-Tetramethoxyflavanone. **Kanakugin**

CAS Registry Number: 57499-45-3

Molecular Formula: C₁₉H₂₀O₆

Molecular Weight: 344.363

Accurate Mass: 344.12599

Percentage Composition: C 66.27%; H 5.85%; O 27.88%

Biological Source: Isol. from *Popowia* spp. and *Didymocarpus pedicellata*

Physical Description: Pale yellow needles (petrol)

Melting Point: Mp 78-79°

References:

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