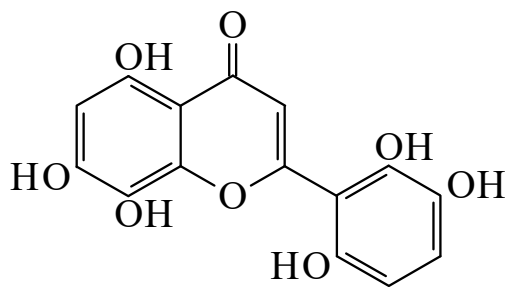




>>Entry Name: 2',3',5,6',7,8-Hexahydroxyflavone



Molecular Formula: C₁₅H₁₀O₈

Molecular Weight: 318.239

Accurate Mass: 318.03757

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

>>Derivative: 2',8-Di-Me ether

Synonym(s): 2',5,5',7-Tetrahydroxy-6',8-dimethoxyflavone. **Viscidulin III.** Ganhuangenin

CAS Registry Number: 92519-91-0

Molecular Formula: C₁₇H₁₄O₈

Molecular Weight: 346.293

Accurate Mass: 346.06887

Percentage Composition: C 58.96%; H 4.07%; O 36.96%

Biological Source: Constit. of *Scutellaria* spp.

Physical Description: Pale-yellow needles (EtOAc/hexane)

Melting Point: Mp 252-254°

Other Data: Viscidulin III prev. assigned incorr. struct.

>>Derivative: 2',8-Di-Me ether, 6'-O-β-D-glucopyranoside

Synonym(s): Viscidulin III 6'-glucoside

CAS Registry Number: 155014-34-9

Molecular Formula: C₂₃H₂₄O₁₃

Molecular Weight: 508.435

Accurate Mass: 508.121695

Percentage Composition: C 54.33%; H 4.76%; O 40.91%

Biological Source: Constit. of *Scutellaria baicalensis*

Physical Description: Pale yellow needles (MeOH aq.)

Melting Point: Mp 272-275 dec.°

Optical Rotation: [α]_D²⁵ -24.6 (c, 0.75 in DMSO)

References:

- Tomimori, T. *et al.*, *Planta Med.*, 1984, **51**, 290, (*cryst struct*)
Tomimori, T. *et al.*, *Yakugaku Zasshi*, 1984, **104**, 524, (*Viscidulin*)
Inuma, M. *et al.*, *Chem. Pharm. Bull.*, 1985, **33**, 3982; 4034, (*synth*)
Tanaka, T. *et al.*, *Chem. Pharm. Bull.*, 1986, **34**, 1667, (*uv, pmr, ms, Viscidulin*)
Zhang, Y.Y. *et al.*, *Phytochemistry*, 1994, **35**, 511, (*Viscidulin III glucoside*)