



Biological Source: Constit. of *Rehmannia glutinosa*

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D +63.3$ (c, 1 in MeOH)

>>**Derivative:** 7-Deoxy, 7 β -chloro, 3 β -methoxy

Synonym(s): Jioglutin B

CAS Registry Number: 124989-76-0

Molecular Formula: C₁₀H₁₅ClO₅

Molecular Weight: 250.678

Accurate Mass: 250.060802

Percentage Composition: C 47.91%; H 6.03%; Cl 14.14%; O 31.91%

Biological Source: Constit. of *Rehmannia glutinosa*

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D -63.2$ (c, 0.94 in MeOH)

>>**Derivative:** 7-Deoxy, 3 β -hydroxy, 6-*O*-(4-hydroxybenzoyl)

Synonym(s): Catalpin

CAS Registry Number: 1390-72-3

Molecular Formula: C₁₆H₁₈O₇

Molecular Weight: 322.314

Accurate Mass: 322.105255

Percentage Composition: C 59.62%; H 5.63%; O 34.75%

Biological Source: Isol. from *Catalpa ovata*

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 93-94°

>>**Derivative:** 7-Deoxy, 3 α -hydroxy, 6-*O*-(4-hydroxybenzoyl)

Synonym(s): Epicatalpin

CAS Registry Number: 180969-28-2

Molecular Formula: C₁₆H₁₈O₇

Molecular Weight: 322.314

Accurate Mass: 322.105255

Percentage Composition: C 59.62%; H 5.63%; O 34.75%

Biological Source: Constit. of *Catalpa* spp.

References:

- Kitagawa, I. *et al.*, *Chem. Pharm. Bull.*, 1986, **34**, 1399, (*Rehmaglutins*)
Nozaka, T. *et al.*, *Chem. Pharm. Bull.*, 1989, **37**, 2838, (*Catalpin*)
Morota, T. *et al.*, *Phytochemistry*, 1989, **28**, 2385, (*Jioglutins*)
Kitagawa, I. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 1171, (*isol, pmr, cmr, abs config*)
Kanai, E. *et al.*, *Chem. Pharm. Bull.*, 1996, **44**, 1607, (*Epicatalpin*)