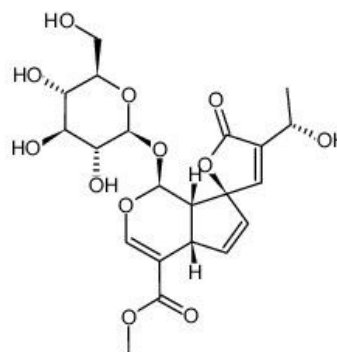


Plumieride Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Plumieride**Catalog No.:** CFN98815**Cas No.:** 511-89-7**Purity:** > 95%**M.F:** C₂₁H₂₆O₁₂**M.W:** 470.4**Physical Description:** Powder

Synonyms: (1S,4aS,7R,7aS)-4'-[(1S)-1-hydroxyethyl]-5'-oxo-1-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)-2-oxanyl]oxy]-4-spiro[4a,7a-dihydro-1H-cyclopenta[c]pyran-7,2'-furan]carboxylic acid methyl ester.

**[Intended Use]**

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]The herb of *Himatanthus fallax*.

[Biological Activity or Inhibitors]

Plumieride shows strong fungitoxicity against some dermatophytes causing dermatomycosis to animals and human beings.^[1]

Plumieride has plant growth inhibiting properties.^[2]

Plumieride may be considered a natural antioxidant against peroxidative damage in rats.^[3]

Plumieride has immunomodulatory activity.^[4]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[5]

Mobile phase: Acetonitrile- Acidified water =20:80;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Tiwari T N, Pandey V B, Dubey N K. *Phytother. Res.*, 2002, 16(4):393-4.

[2] Adam G, Khoi N H, Bergner C, *et al. Phytochemistry*, 1979, 18(8):1399-400.

[3] Dharmendra S, Vrat A P, Ashutosh S, *et al. Antioxidants*, 2014, 3(4):798-813.

[4] Bani S, Kaul A, Ahmad S F, *et al. J&k State Science Congress, University of Jammu, Jammu. 2005.*

[5] Muller AFF, Silva DCS, Macdonald R, *et al. Journal of Chemical and Pharmaceutical Research.*, 2015, 7(10):250-6.

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