

Magnoloside A Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Magnoloside A

Catalog No.: CFN99232

Cas No.: 113557-95-2

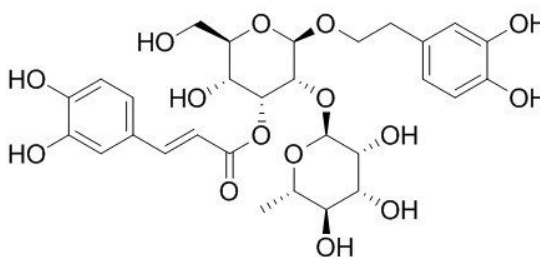
Purity: > 95%

M.F: C₂₉H₃₆O₁₅

M.W: 624.6

Physical Description: Powder

Synonyms: 2-(3,4-Dihydroxyphenyl)ethyl-2-O-(6-deoxy-α-L-mannopyranosyl)-3-O-[(2E)-3-(3,4-dihydroxyphenyl)-2-propenoyl]-β-D-allopyranoside; Magnesium aspartate hydrochloride trihydrate.



[Intended Use]

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

[Source]

The bark of *Magnolia obovata*.

[Biological Activity or Inhibitors]

Magnoloside A has potent antifungal activities against various *Cryptococcus* strains with minimum inhibitory concentration values ranging from 1.0 to 4.0 ug/ml.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetic acid in water(pH=3.0)- Methanol,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 328 nm.

[Storage]

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

[References]

[1] Lee W J, Moon J S, Kim S I, *et al. J. Microbiol. Biotechnol.*,2015 Sep;25(9):1429-32.

[2] Yan R, Yu S, Liu H, *et al. J. Chromatogr. Sci.*,2015 Apr;53(4):598-602.

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