

Jionoside B1 Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Jionoside B1

Catalog No.: CFN90729

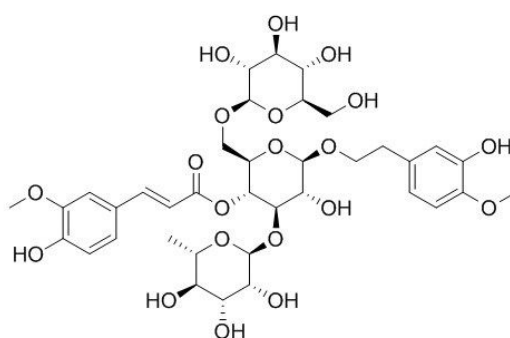
Cas No.: 120406-37-3

Purity: >=98%

M.F: C₃₇H₅₀O₂₀

M.W: 814.78

Physical Description: Powder



Synonyms: 2-(3-Hydroxy-4-methoxyphenyl)ethyl-6-deoxy- α -L-mannopyranosyl-(1 \rightarrow 3)-[β -D-galactopyranosyl-(1 \rightarrow 6)]-4-O-[(2E)-3-(4-hydroxy-3-methoxyphenyl)prop-2-enoyl]- β -D-glucopyranoside.

[Intended Use]

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

[Source]

The roots of *Rehmannia glutinosa*.

[Biological Activity or Inhibitors]

Jionoside B1 exhibits the obvious inhibition against aldose reductase.^[1]

jionoside B1 shows the hepato-protective activity in the H₂O₂ induced liver injury experiments.^[2]

jionoside B1 has immunosuppressive activity.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile- 0.2% Phosphoric acid solution,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 330 nm.

[Storage]

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

[References]

[1] Liu Y F, Shi G R, Wang X, *et al. Chinese Traditional & Herbal Drugs*, 2016, 47(11): 1830-3.

[2] Fu J N, Zhang W, Sun L, *et al. Jiangxi Science*, 2014, 32(3):295-300.

[3] Sasaki H, Nishimura H, Morota T, *et al. Planta Med.*, 1989, 55(5):458-62.

[4] Zhang W M, Zhang S, Fu JN, *et al. Journal of Shenyang Pharmaceutical University*, 2012, 29(5):367-72.

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