

Onjisaponin B Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Onjisaponin B

Catalog No.: CFN90600

Cas No.: 35906-36-6

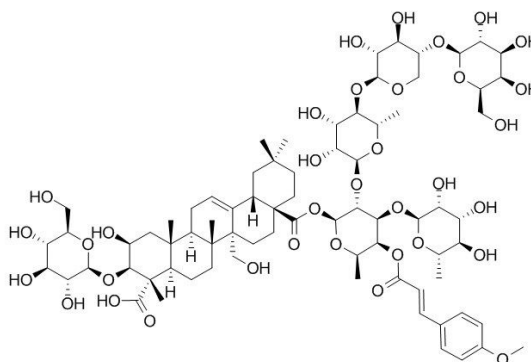
Purity: > 98%

M.F: C₇₅H₁₁₂O₃₅

M.W: 1573.69

Physical Description: Powder

Synonyms: Senegin III.



[Intended Use]

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

[Source]

The roots of *Polygala tenuifolia*.

[Biological Activity or Inhibitors]

Onjisaponin B, derived from Radix Polygalae, can enhance autophagy and accelerate the degradation of mutant α -synuclein and huntingtin in PC-12 cells.^[1]

Onjisaponin B can reduce β -amyloid production and improve cognitive impairments, indicates that Onjisaponin B is effective against Alzheimer's disease , providing a new therapeutic agent for further drug discovery.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.1%Phosphoric acid H₂O=38:62 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 307 nm.

[Storage]

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

[References]

[1] Wu A G, Wong V K, Xu S W, *et al. Int. J. Mol. Sci.*, 2013, 14(11):22618-41.

[2] Li X, Cui J, Yu Y, *et al. Plos One*, 2016, 11(3): e0151147.

[3] Dou Z, Hu C M, Wen L, *et al. Chinese journal of hospital pharmacy*, 2014, 34 (19) : 1676-8.

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