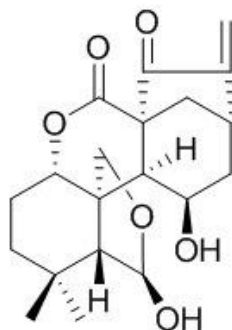


Nodosin Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Nodosin**Catalog No.:** CFN99056**Cas No.:** 10391-09-0**Purity:** > 95%**M.F:** C₂₀H₂₆O₆**M.W:** 362.4**Physical Description:** Powder**Synonyms:** 10,13-Dihydroxy-1,1-dimethyl-7-methylidenedecahydro-5a,8-methanocyclohepta[c]furo[3,4-e]chromene-5,6(7H)-dione.**[Intended Use]**

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

[Source]The herbs of *Isodon serra*.**[Biological Activity or Inhibitors]**

Preconditioning with Nodosin perfusion provides a potential protective effect through inducing HO-1 expression to attenuate ischemia/reperfusion injury in liver transplantation.^[1]

Nodosin possesses significant anti-inflammatory effects, it can depress the murine ear-swelling extent and the level of IL-2 in the blood serum.^[2]

Nodosin inhibits the growth of HepG2 cells in a dose-dependent manner, the inhibition of HepG2 cell growth is induced by decreasing Bcl-2 and increasing Bax, thus promoting cell apoptosis.^[3]

Reserved infusion with Nodosin before liver transplantation can effectively attenuate the apoptosis and liver injury of the implanted liver, this is consistent with the shifts of cytokine expression from Th1 rejection responses to regulatory immune responses.^[4]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[5]

Mobile phase: Methanol -H₂O=37:63 ;

Flow rate: 1.0 ml/min;

Column temperature: 35°C;

The wave length of determination: 231 nm.

[Storage]

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

[References]

[1] Wang C F, Wang Z Y, Tao S F, *et al.* *J. Gastroenterol. Hepatol.*, 2012 Apr; 27(4): 832-40.

[2] Li J, Du J M, Sun L J, *et al.* *Am. J. Chin. Med.*, 2010; 38(1): 127-42.

[3] Hai G F, Niu B X, Li P P, *et al.* *Chinese Journal of Pathophysiology*, 2014, 30(10): 1879

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[4] Xu L, Wang Z Y, Wang Y, *et al. Current Immunology*, 2011, 31(4):315-20.

[5] Ni L, Li S H, Lu H X, *et al. Journal of Guangdong Pharmaceutical College*, 2010, 26(6):
605-7.

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