

Nodakenetin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Nodakenetin

Catalog No.: CFN98788

Cas No.: 495-32-9

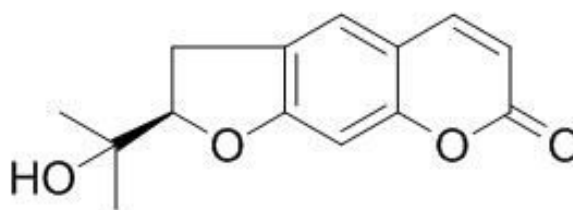
Purity: > 98%

M.F: C₁₄H₁₄O₄

M.W: 246.3

Physical Description: Powder

Synonyms: (2R)-2-(2-hydroxypropan-2-yl)-2,3-dihydrofuro[3,2-g][1]benzopyran-7-one.



[Intended Use]

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

[Source]

The herbs of *Peucedanum decursivum Maxim.*

[Biological Activity or Inhibitors]

Nodakenetin displays the least irritant and least persistent reactions on mouse ears, and exhibits the least cytotoxic capacity against brine shrimp larvae.^[1]

Nodakenetin angelate, extracted from seeds of *Heracleum candolleum*, is used as an antiarthritic and nerve tonic.^[2]

Nodakenetin has antioxidant activity.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Methanol : H₂O=40:60;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 330 nm.

[Storage]

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

[References]

[1] Saeed M A, Sabir A W. *J. Asian Nat. Prod. Res.*, 2008, 10(10):49-58.

[2] Binoy J, Abraham J P, Joe I H, *et al. J. Raman Spectrosc.*, 2005, 36(1):63-72.

[3] Zhao D, Islam M N, Bo R A, *et al. Arch. Pharm. Res.*, 2012, 35(1):179-92.

[4] Zhang P, Yang X W. *Biomed. Chromatogr.*, 2009, 24(2):216-21.

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