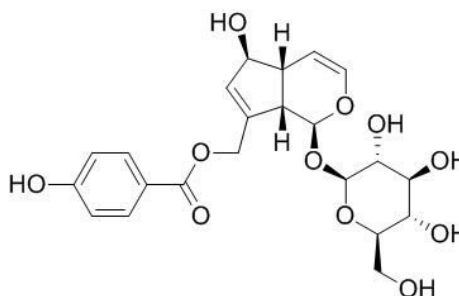


Agnuside Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Agnuside**Catalog No.:** CFN99203**Cas No.:** 11027-63-7**Purity:** > 95%**M.F:** C₂₂H₂₆O₁₁**M.W:** 466.4**Physical Description:** Powder

Synonyms:[(1R,2S,6S,7S)-7-Hydroxy-2-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-3-oxabicyclo[4.3.0]nona-4,8-dien-9-yl]methyl 4-hydroxybenzoate.

[Intended Use]

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

[Source]

The herbs of *Vitex negundo* L.

[Biological Activity or Inhibitors]

Agnuside shows anti-arthritic activity by the modulation of the host immune response, it also shows inhibition of vascular permeability and leukocyte migration in vivo.^[1]

Agnuside shows remarkable free radical scavenging activity, and shows cytotoxic effect in COLO 320 cancer cells with IC₅₀ value of 15.99 ug/ml.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile- 0.5% O-phosphoric acid in water =15:85 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Pandey A, Bani S, Satti N K, *et al. Inflamm. Res.*, 2012, 61(4):293-304.

[2] Arokiyaraj, Perinbam, Prakash N K U. *J. Pharm. Res.*, 2012, 5(5):2548.

[3] Shah S, Dhanani T, Kumar S. *J. Pharmaceut. Anal.*, 2013, 3(6):500-8.

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