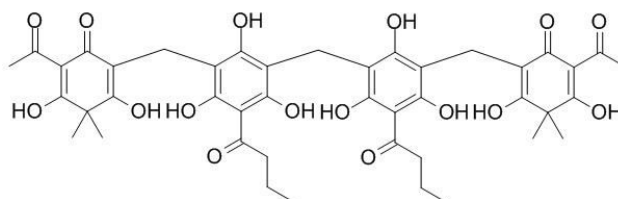


Dryocrassin ABBA Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Dryocrassin ABBA**Catalog No.:** CFN99519**Cas No.:** 12777-70-7**Purity:** 98%**M.F:** C₄₃H₄₈O₁₆**M.W:** 820.81**Physical Description:** Yellow cryst.**Synonyms:** 2,5-Cyclohexadien-1-one, 2,2'-(methylenebis((2,4,6-trihydroxy-5-(1-oxobutyl)-3,1-phenylene)methylene)bis(6-acetyl-3,5-dihydroxy-

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others.

[Source]

The rhizome of *Dryopteris crassirhizoma* Nakai.

[Biological Activity or Inhibitors]

Orally administered dryocrassin ABBA provides mice protection against avian influenza virus H5N1 by inhibiting inflammation and reducing virus loads; dryocrassin ABBA is a potential novel lead compound which has antiviral effects on amantadine-resistant avian influenza virus H5N1 infection.^[1]

Dryocrassin ABBA, a phloroglucinol derivative extracted from *Dryopteris crassirhizoma*, it significantly suppresses tumor growth, without major side effects; suggests that it may induce apoptosis in human hepatocellular carcinoma cells through a caspase-mediated mitochondrial pathway.^[2]

[Solvent]

Pyridine, DMSO, Methanol.

[HPLC Method]^[3]

Mobile phase: Isopropanol - Methanol - Chloroform - H₂O - Phosphoric acid =102: 20: 12: 24: 0.1;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 283 nm.

[Storage]

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

[References]

[1] Ou C, Zhang Q, Wu G, *et al. Front Microbiol.*, 2015, 6:592.

[2] Jin Z, Wang WF, Huang JP, *et al. Asian Pac. J. Cancer P.*, 2016, 17(4):1823-8.

[3] Shi Y S, Xu T H, Han D, *et al. Chinese herbal medicine*, 2008, 39 (12): 1894-5.

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