

## Albaspidin AA Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Albaspidin AA

**Catalog No.:** CFN98474

**Cas No.:** 3570-40-9

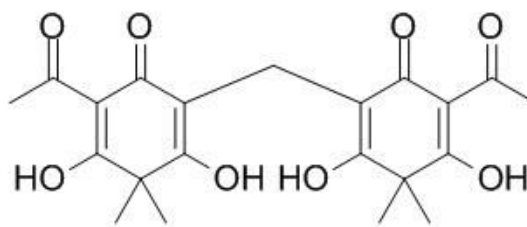
**Purity:** > 98%

**M.F:** C<sub>21</sub>H<sub>24</sub>O<sub>8</sub>

**M.W:** 404.4

**Physical Description:** Yellow powder

**Synonyms:** 2,5-Cyclohexadien-1-one, 2,2'-methylenebis[6-acetyl-3,5-dihydroxy-4,4-dimethyl-].



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Others.

### [ Source ]

The herb of *Dryopteris crassirhizoma* Nakai.

## **[ Biological Activity or Inhibitors ]**

Albaspidin AA, isolated from the extracts of acylphloroglucinol and filicinic-acid derivatives, displays strong antibacterial activity against the vegetative form of *P. larvae* ( MIC ranging from 0.168–220uM ).<sup>[1]</sup>

Albaspidins AA may have in vitro nematocidal activity against L4 stage larvae .<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, DMSO, Ethanol, Methanol, Hot water, etc.

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: MeOH- EtOH- TFA=80:20:0.01;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Javier Hernández-López, Sara Crockett, Kunert O, *et al. Chem. Biodivers*, 2014, 11(5):695–708.

[2] Socolsky C, Domínguez L, Asakawa Y, *et al. Phytochemistry*, 2012, 80(11):115-22.

[3] Nuñez P N, Santo A T D E, Scopel R, *et al. J. Supercrit. Fluid* , 2015, 101:222-30.

## **[ Contact ]**

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