

## Senkyunolide A Datasheet

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

### [ Product Information ]

**Name:** Senkyunolide A

**Catalog No.:** CFN99594

**Cas No.:** 62006-39-7

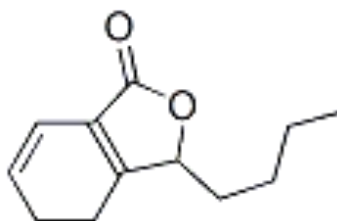
**Purity:** >=99%

**M.F:** C<sub>12</sub>H<sub>16</sub>O<sub>2</sub>

**M.W:** 192.25

**Physical Description:** Oil

**Synonyms:** 3-N-butyl-4,5-dihydrophthalide; 3-butyl-4,5-dihydro-3H-isobenzofuran-1-one.



### [ Intended Use ]

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

### [ Source ]

The roots of *Ligusticum chuanxiong* hort.

### [ Biological Activity or Inhibitors ]

Senkyunolide A and ligustilide, two of the most abundant *Ligusticum chuanxiong*

constituents, they have the vasorelaxation activities in contractions to various contractile agents in rat isolated aorta. <sup>[1]</sup>

Senkyunolides reduce hydrogen peroxide-induced oxidative damage in human liver HepG2 cells via induction of heme oxygenase-1. <sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Acetonitrile-1%Acetic acid H<sub>2</sub>O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Chan S K, Cheng T Y, Ge L. *J Ethnopharmacol.*, 2007, 111(3):677–80.

[2] Qi H, Siu S O, Yan C, *et al. Chem.Biol. Interact.*, 2010, 183(3):380-9.

[3] Wu PL, Liu W, Zhang J, *et al. Chinese Journal of Pharmaceuticals*, 2010, 41(4):290-2.

## **[ Contact ]**

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