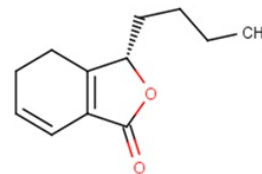


## Senkyunolide A

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No.:          | 62006-39-7   |
| Formula:          | C <sub>12</sub> H <sub>16</sub> O <sub>2</sub>                         |
| Molecular Weight: | 192.25   |
| Appearance:       | N/A  |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



## Biological Description

|             |   |
|-------------|---|
| Description | Senkyunolide A is a useful standard compound for the quality evaluation and chemical differentiation between <i>Rhizoma chuanxiong</i> and <i>Angelica sinensis</i> , and suitable for the analysis of a large number of samples. Senkyunolide A has the vasorelaxation activity in contractions to various contractile agents in rat isolated aorta. |
|-------------|---|

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 10 mM<br>( < 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg      | 5mg       | 10mg      |
|-------|----------|-----------|-----------|
| 1 mM  | 5.202 mL | 26.008 mL | 52.016 mL |
| 5 mM  | 1.04 mL  | 5.202 mL  | 10.403 mL |
| 10 mM | 0.52 mL  | 2.601 mL  | 5.202 mL  |
| 50 mM | 0.104 mL | 0.52 mL   | 1.04 mL   |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Chan S K , Cheng T Y , Lin G . Relaxation effects of ligustilide and senkyunolide A, two main constituents of *Ligusticum chuanxiong*, in rat isolated aorta[J]. *Journal of Ethnopharmacology*, 2007, 111(3):0-680.

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