Product Name: Honokiol
CAS Number: 35354-74-6
IUPAC Name: 5,3’-Diallyl-2,4’-dihydroxybiphenyl

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{18}\text{H}_{18}\text{O}_{2} \)
Batch Molecular Weight: 266.33
Physical Appearance: White solid
Solubility: DMSO to 100 mM, ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:

2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
\(^1\text{H NMR:}\) Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
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<tbody>
<tr>
<td>Carbon</td>
<td>81.17</td>
<td>81.18</td>
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<tr>
<td>Hydrogen</td>
<td>6.81</td>
<td>6.84</td>
</tr>
<tr>
<td>Nitrogen</td>
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</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Honokiol
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Description:
Anti-inflammatory, antioxidant, antitumor and antiangiogenic agent. Blocks NF-κB activation by a variety of stimuli, including TNF and okadaic acid. Shown to scavenge superoxide and peroxyl radicals. Also inhibits a variety of inflammatory responses.

Physical and Chemical Properties:
Batch Molecular Formula: C_{19}H_{19}O_{2}
Batch Molecular Weight: 266.33
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at +4°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 100 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: