

## 4-Epi-curcumenol

## Chemical Properties

CAS No.:	350602-21-0
Formula:	C <sub>15</sub> H <sub>22</sub> O <sub>2</sub>
Molecular Weight:	234.3
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Standard reference
Targets(IC <sub>50</sub> )	Others: None
In vitro	<p>METHODS AND RESULTS: Six new guaiane- or secoguaiane-type sesquiterpenes, 4-Epi-curcumenol, neocurcumenol, gajutsulactones A and B, and zedoarolides A and B, were isolated from aqueous acetone extract of Zedoariae Rhizoma (Zingiberaceae), together with 34 sesquiterpenes and two diarylheptanoids. The stereostructures of new sesquiterpenes were elucidated on the basis of chemical and physicochemical evidence, which included nuclear Overhauser effect (NOE) and circular dichroic (CD) spectroscopic analyses.</p> <p>CONCLUSIONS: Gajutsulactones A and B, and 14 sesquiterpenes, and two diarylheptanoids were found to inhibit nitric oxide (NO) production in lipopolysaccharide (LPS)-activated mouse peritoneal macrophages.</p>

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.268 mL	21.340 mL	42.680 mL
5 mM	0.854 mL	4.268 mL	8.536 mL
10 mM	0.427 mL	2.134 mL	4.268 mL
50 mM	0.085 mL	0.427 mL	0.854 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. Inhibitors of Nitric Oxide Production and New Sesquiterpenes, 4-epi-Curcumenol, Neocurcumenol, Gajutsulactones A and B, and Zedoarolides A and B from Zedoariae Rhizoma. Heterocycles.2001 May; 55(5).

Inhibitors · Natural Compounds · Compound Libraries

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