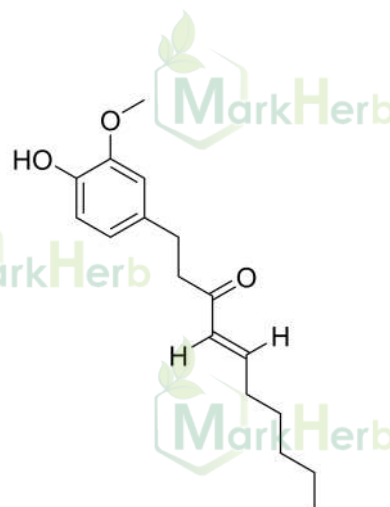


## CERTIFICATE OF ANALYSIS

*For Laboratory Use Only*

**Product name** [6]-Shogaol  
**Other names** (E)-1-(4-hydroxy-3-methoxyphenyl)dec-4-en-3-one;  
 Trans-6-Shogaol; (E)-1-(4-Hydroxy-3-Methoxyphenyl)Dec-4-En-3-One  
**CAS** 23513-13-5  
**Catalog No.** PHE-23-5  
**Formula** C<sub>17</sub>H<sub>24</sub>O<sub>3</sub>  
**Molecular mass** 276.37 g/mol  
**Date of sample** 03/09/2020  
**Date of report** 25/09/2020



**Structure**

### ANALYTICAL RESULTS

Test	Method	Specification	Result
Appearance	NA	Oil	Oil
Purity	HPLC-UV	> 90	93.85%
UV spectrum	UV Spectroscopy	NA	NA
Mass spectrum	LC-MS/MS	NA	NA
NMR	<sup>1</sup> H-NMR, <sup>13</sup> C-NMR	NA	NA

NA, not available

### STORAGE CONDITIONS

**Storage** at -20 °C, keep away from direct light  
**Transport** at 6 to 8 °C with ice pack

Digitally signed by  
 Dr. rer.nat. Agus Chahyadi  
 Date: 25.09.2020  
 Bandung - Indonesia