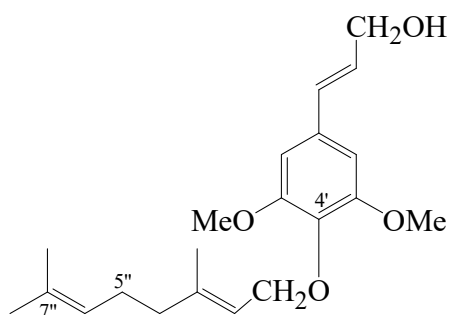




>>Entry Name: 4'-*O*-Geranylsinapyl alcohol



CAS Registry Number: 77836-86-3

Molecular Formula: C<sub>21</sub>H<sub>30</sub>O<sub>4</sub>

Molecular Weight: 346.466

Accurate Mass: 346.21441

Percentage Composition: C 72.80%; H 8.73%; O 18.47%

Biological Source: Constit. of *Fagaria rhetza*, *Verbesina glabrata* and *Ligularia nelumbifolia*

Physical Description: Prisms (CHCl<sub>3</sub>)

Melting Point: Mp 36-37°

>>Derivative: 1-*O*-(9,12-Octadecadienyl)(*Z,Z*)

Synonym(s): 4'-*O*-Geranylsinapyl linoleate

CAS Registry Number: 155696-14-3

Molecular Formula: C<sub>39</sub>H<sub>60</sub>O<sub>5</sub>

Molecular Weight: 608.9

Accurate Mass: 608.444075

Percentage Composition: C 76.93%; H 9.93%; O 13.14%

Biological Source: Constit. of the roots of *Ligularia nelumbifolia*

Physical Description: Amorph. powder (CHCl<sub>3</sub>)

Melting Point: Mp 67-68°

>>Derivative: Δ<sup>4''</sup>-Isomer, 5''-ethoxy, 7''-hydroxy

Synonym(s): 4'-*O*-(5-Ethoxy-7-hydroxy-3,7-dimethyl-2,4-octadienyl)sinapyl alcohol

CAS Registry Number: 165053-76-9

Molecular Formula: C<sub>23</sub>H<sub>34</sub>O<sub>6</sub>

Molecular Weight: 406.518

Accurate Mass: 406.23554

Percentage Composition: C 67.96%; H 8.43%; O 23.61%

Biological Source: Constit. of *Ligularia nelumbifolia*

Physical Description: Oil

>>Derivative: Δ<sup>5''</sup>-Isomer, 7''-hydroxy

Synonym(s): 4'-*O*-(7-Hydroxy-3,7-dimethyl-2,5-octadienyl)sinapyl alcohol

CAS Registry Number: 165053-74-7

Molecular Formula: C<sub>21</sub>H<sub>30</sub>O<sub>5</sub>

Molecular Weight: 362.465

Accurate Mass: 362.209325

Percentage Composition: C 69.59%; H 8.34%; O 22.07%

Biological Source: Constit. of *Ligularia nelumbifolia*

Physical Description: Oil