



>>Derivative: 9-*O*-(3-Methyl-2-butenoyl)

Synonym(s): Peujaponisinol A

CAS Registry Number: 152378-24-0

Molecular Formula: C<sub>19</sub>H<sub>20</sub>O<sub>6</sub>

Molecular Weight: 344.363

Accurate Mass: 344.12599

Percentage Composition: C 66.27%; H 5.85%; O 27.88%

Biological Source: Constit. of *Peucedanum japonicum*

Physical Description: Oil

Optical Rotation:  $[\alpha]_D^{22} -16.4$  (c, 0.12 in CHCl<sub>3</sub>)

>>Derivative: 9-*O*-(3-Methyl-2-butenoyl), 10-Ac

Synonym(s): (+)-Samidin

Molecular Formula: C<sub>21</sub>H<sub>22</sub>O<sub>7</sub>

Molecular Weight: 386.401

Accurate Mass: 386.136555

Percentage Composition: C 65.28%; H 5.74%; O 28.98%

Biological Source: Constit. of *Peucedanum japonicum* roots

Optical Rotation:  $[\alpha]_D^{20} +13.8$  (c, 2.92 in EtOH)

>>Derivative: 9-*O*-(3-Methyl-2-butenoyl), 10-*O*-(3-methylbutanoyl)

Synonym(s): Peujaponisin

CAS Registry Number: 146428-59-3

Molecular Formula: C<sub>24</sub>H<sub>28</sub>O<sub>7</sub>

Molecular Weight: 428.481

Accurate Mass: 428.183505

Percentage Composition: C 67.28%; H 6.59%; O 26.14%

Biological Source: Constit. of *Peucedanum japonicum*

Physical Description: Oily solid

Optical Rotation:  $[\alpha]_D^{25} -7$  (c, 1 in CHCl<sub>3</sub>)

>>Derivative: 10-*O*-(3-Methyl-2-butenoyl)

Synonym(s): Peujaponisinol B

CAS Registry Number: 152378-25-1

Molecular Formula: C<sub>19</sub>H<sub>20</sub>O<sub>6</sub>

Molecular Weight: 344.363

Accurate Mass: 344.12599

Percentage Composition: C 66.27%; H 5.85%; O 27.88%

Biological Source: Constit. of *Peucedanum japonicum*

Physical Description: Oil

Optical Rotation:  $[\alpha]_D^{22} -86.4$  (c, 0.22 in CHCl<sub>3</sub>)

>>Derivative: Bis-*O*-(3-methyl-2-butenoyl)

CAS Registry Number: 145920-86-1

Molecular Formula: C<sub>24</sub>H<sub>26</sub>O<sub>7</sub>

Molecular Weight: 426.465

Accurate Mass: 426.167855

Percentage Composition: C 67.59%; H 6.14%; O 26.26%

Biological Source: Isol. from *Peucedanum japonicum*

Melting Point: Mp 112-113°

Optical Rotation:  $[\alpha]_D -47.7$  (c, 0.1 in CHCl<sub>3</sub>)

>>Derivative: 9-Angeloyl, 10-Ac

CAS Registry Number: 73069-27-9