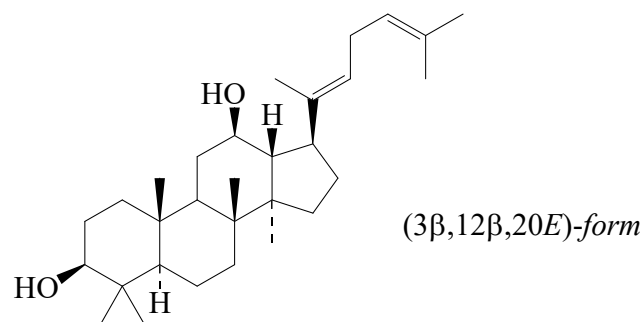




>>Entry Name: Dammara-20(22),24-diene-3,12-diol



Related CAS Registry Numbers(s): 89951-13-3 108266-93-9

Molecular Formula: C<sub>30</sub>H<sub>50</sub>O<sub>2</sub>

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

>>Variant: (3β,12β,20E)-form

Synonym(s): Quasipanaxadiol

CAS Registry Number: 166241-39-0

Molecular Formula: C<sub>30</sub>H<sub>50</sub>O<sub>2</sub>

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

Biological Source: Constit. of *Panax* sp.

Optical Rotation: [α]<sub>D</sub> +15 (CHCl<sub>3</sub>)

>>Derivative: 3-O-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside]

Synonym(s): Ginsenoside Rg<sub>5</sub>

CAS Registry Number: 74964-14-0

Molecular Formula: C<sub>42</sub>H<sub>70</sub>O<sub>12</sub>

Molecular Weight: 767.008

Accurate Mass: 766.48673

Percentage Composition: C 65.77%; H 9.20%; O 25.03%

Biological Source: Constit. of *Panax ginseng*

Physical Description: Powder (C<sub>6</sub>H<sub>6</sub>/MeOH)

>>Variant: (3β,12β,20Z)-form

Molecular Formula: C<sub>30</sub>H<sub>50</sub>O<sub>2</sub>

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

>>Derivative: 3-O-β-D-Glucopyranoside

Synonym(s): Ginsenoside Rh<sub>3</sub>

CAS Registry Number: 105558-26-7

Molecular Formula: C<sub>36</sub>H<sub>60</sub>O<sub>7</sub>

Molecular Weight: 604.866

Accurate Mass: 604.433905

Percentage Composition: C 71.49%; H 10.00%; O 18.52%

Biological Source: Constit. of *Panax ginseng*

Physical Description: Powder

Melting Point: Mp 255-257°

Optical Rotation: [α]<sub>D</sub><sup>27</sup> +7 (c,0.78 in MeOH)

#### References:

- Atopkina, L.N. *et al.*, *Carbohydr. Res.*, 1988, **177**, 101-109, (*glucoside, synth, pmr, cmr*)  
Zhang, S. *et al.*, *Planta Med.*, 1990, **56**, 298-300, (*Ginsenoside Rh3*)  
Kim, S.I. *et al.*, *Arch. Pharmacol Res.*, 1996, **19**, 551, (*Ginsenoside Rg5*)  
*Japan. Pat.*, 1996, 96 291 194, (*Quasipanaxadiol*)