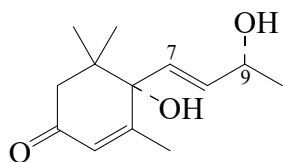




>>Entry Name: 6,9-Dihydroxy-4,7-megastigmadien-3-one  
ENTRY UNDER REVIEW



(6*S*,7*E*,9*R*)-form

**Molecular Formula:** C<sub>13</sub>H<sub>20</sub>O<sub>3</sub>  
**Molecular Weight:** 224.299  
**Accurate Mass:** 224.141245  
**Percentage Composition:** C 69.61%; H 8.99%; O 21.40%

>>Variant: (6*S*,7*E*,9*R*)-form  
Synonym(s): Vomifoliol. Blumenol A

CAS Registry Number: 23526-45-6

**Molecular Formula:** C<sub>13</sub>H<sub>20</sub>O<sub>3</sub>  
**Molecular Weight:** 224.299  
**Accurate Mass:** 224.141245  
**Percentage Composition:** C 69.61%; H 8.99%; O 21.40%  
**Biological Source:** Constit. of *Rauwolfia vomitoria*, *Podocarpus blumei* and other plants  
**Physical Description:** Cryst. (CHCl<sub>3</sub>)  
**Melting Point:** Mp 113-114°

>>Derivative: 9-*O*-β-D-Glucopyranoside  
Synonym(s): Roseoside

CAS Registry Number: 54835-70-0

**Molecular Formula:** C<sub>19</sub>H<sub>30</sub>O<sub>8</sub>  
**Molecular Weight:** 386.441  
**Accurate Mass:** 386.19407  
**Percentage Composition:** C 59.05%; H 7.82%; O 33.12%  
**Biological Source:** Constit. of *Vinca rosea*  
**Physical Description:** Amorph. powder; cryst. (as tetra-Ac)  
**Melting Point:** Mp 153° (tetra-Ac)  
**Optical Rotation:** [α]<sub>D</sub> +62 (c, 0.8 in CHCl<sub>3</sub>) (tetra-Ac)

>>Derivative: 9-*O*-[β-D-Apiofuranosyl-(1→2)-β-D-glucopyranoside]  
Synonym(s): Trifostigmanoside I

CAS Registry Number: 226947-90-6

**Molecular Formula:** C<sub>24</sub>H<sub>38</sub>O<sub>12</sub>  
**Molecular Weight:** 518.557  
**Accurate Mass:** 518.23633  
**Percentage Composition:** C 55.59%; H 7.39%; O 37.02%  
**Biological Source:** Constit. of *Trifolium alexandrinum*  
**Physical Description:** Amorph. powder  
**Optical Rotation:** [α]<sub>D</sub><sup>22</sup> +52.9 (c, 0.62 in MeOH)

>>Derivative: 9-*O*-[β-D-Apiofuranosyl-(1→6)-β-D-glucopyranoside]

**Molecular Formula:** C<sub>24</sub>H<sub>38</sub>O<sub>12</sub>  
**Molecular Weight:** 518.557  
**Accurate Mass:** 518.23633  
**Percentage Composition:** C 55.59%; H 7.39%; O 37.02%  
**Biological Source:** Isol. from the stem bark of *Albizzia julibrissin* and Japanese medlar (*Eriobotrya japonica*) leaves  
**Physical Description:** Powder  
**Optical Rotation:** [α]<sub>D</sub><sup>25</sup> +15 (c, 0.14 in MeOH)