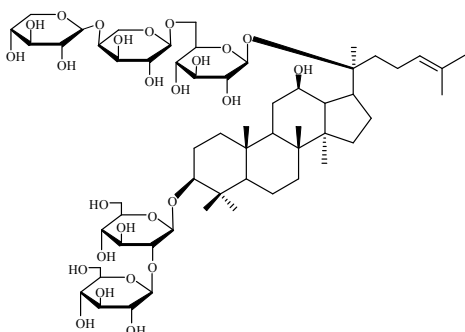


Ginsenoside-Ra₁ from *Panax ginseng* C.A.Mey.



Product Name: (3β,12β)-12-hydroxy-20-((o-β-D-xylopyranosyl-(1→4)-o-α-L-arabinopyranosyl-(1→6)-β-D-glucopyranosyl)oxy)dammar-24-en-3-yl-β-D-glucopyranoside

Product Number: G016055

CAS Number: 83459-41-0

Formula (Hill method): C₅₈H₉₈O₂₆

Formula Weight: 1211.38 AMU

Purity(HPLC): ≥ 98.00 %

Stock Status: In Stock

Solubility: 10 mM in DMSO

Mechanisms: Pathways: Others; Target: Others

Biological Activity: Ginsenoside Ra₁ is extracted from roots and rhizomes of *Panax ginseng*, shows inhibitory effects on protein tyrosine kinase.

IC₅₀ Value & Target:

In Vitro: Ra₁ and Ro showed significant inhibitory effects on PTK activation induced by H/R. Dose-response experiments revealed that ginsenoside-Rb₁ was the most active compound and it completely blocked PTK activation at a wide range of concentrations. Most protopanaxadiol-type ginsenosides and some protopanaxatriol type saponins also showed significant effects on PTK activation.[1].

In Vivo:

References:

[1]. D.Q. Dou, et al. The Inhibitory Effects of Ginsenosides on Protein Tyrosine Kinase Activated by Hypoxia/Reoxygenation in Cultured Human Umbilical Vein Endothelial Cells. *Planta Medica*. 2001 Mar;66:306-14.

Caution: Not fully tested. For research purposes only!

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