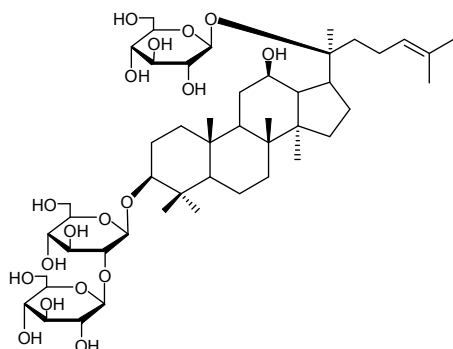


Ginsenoside-Rd from *Panax ginseng* C.A.Mey.



Product Name: 3-O- [β- D- glucopyranosyl - (1→2)-β -D-glucopyranosyl]-20-O-β-D-glucopyranosyl-dammar-24-ene-3β,12β,20S-triol

Product Number: G016005

CAS Number: 52705-93-8

Formula (Hill method): C₄₈H₈₂O₁₈

Formula Weight: 947.15 AMU

Purity(HPLC): ≥ 98.00 %

Stock Status: In Stock

Solubility: 10 mM in DMSO

Mechanisms: Pathways: Others; Target: Others

Biological Activity: Ginsenoside Rd is a protopanaxadiol which has diverse in vitro and in vivo effects, including cardioprotective, neuroprotective, and anti-inflammatory actions.

IC50 Value & Target:

In Vitro:

In Vivo:

References:

- [1]. Liu XY, et al. Ginsenoside Rd promotes neurogenesis in rat brain after transient focal cerebral ischemia via activation of PI3K/Akt pathway. *Acta Pharmacol Sin.* 2015 Apr;36(4):421-8.
- [2]. Wang B, et al. Ginsenoside Rd inhibits apoptosis following spinal cord ischemia/reperfusion injury. *Neural Regen Res.* 2014 Sep 15;9(18):1678-87.
- [3]. Zhou JS, et al. Ginsenoside Rd attenuates mitochondrial permeability transition and cytochrome C release in isolated spinal cord mitochondria: involvement of kinase-mediated pathways.
- [4]. Zhang X, et al. Ginsenoside Rd attenuates tau protein phosphorylation via the PI3K/AKT/GSK-3β pathway after transient forebrain ischemia. *Neurochem Res.* 2014 Jul;39(7):1363-73.

Caution: Not fully tested. For research purposes only!

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