Ginsenoside Rb₁ is a triterpene saponin originally found in species of *Panax* that exhibits antioxidative, anti-inflammatory, neuroprotective, orexigenic, and stimulatory activities. In animal models, ginsenoside Rb₁ increases motor activity, food intake, and skeletal muscle ATP content, improving energy metabolism. Ginsenoside Rb₁ also downregulates expression of toll-like receptor 4 (TLR4) and TNF-α in animal models of sepsis, protecting against liver and lung damage. Additionally, ginsenoside Rb₁ inhibits glucose-induced neurotoxicity by preventing GSK-3β-stimulated CHOP induction. This compound also activates Nrf2 and increases expression of heme oxygenase 1 (HO-1), suppressing oxidative stress in vitro.

**References**


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.