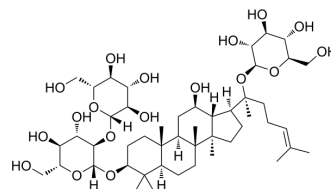


Ginsenoside Rd (Standard)

Cat. No.:	HY-N0043R
CAS No.:	52705-93-8
Molecular Formula:	C ₄₈ H ₈₂ O ₁₈
Molecular Weight:	947.15
Target:	NF-κB; COX; Calcium Channel; Cytochrome P450; Endogenous Metabolite
Pathway:	NF-κB; Immunology/Inflammation; Membrane Transporter/Ion Channel; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (105.58 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.0558 mL	5.2790 mL	10.5580 mL
5 mM	0.2112 mL	1.0558 mL	2.1116 mL
10 mM	0.1056 mL	0.5279 mL	1.0558 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ginsenoside Rd (Standard) is the analytical standard of Ginsenoside Rd. This product is intended for research and analytical applications. Ginsenoside Rd inhibits TNF α -induced NF- κ B transcriptional activity with an IC₅₀ of 12.05 \pm 0.82 μ M in HepG2 cells. Ginsenoside Rd inhibits expression of COX-2 and iNOS mRNA. Ginsenoside Rd also inhibits Ca²⁺ influx. Ginsenoside Rd inhibits CYP2D6, CYP1A2, CYP3A4, and CYP2C9, with IC₅₀s of 58.0 \pm 4.5 μ M, 78.4 \pm 5.3 μ M, 81.7 \pm 2.6 μ M, and 85.1 \pm 9.1 μ M, respectively.

IC₅₀ & Target

COX-2	CYP1A2	CYP2C9	CYP2D6
CYP3A4	L-type calcium channel	NF- κ B	

Caution: Product has not been fully validated for medical applications. For research use only.

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