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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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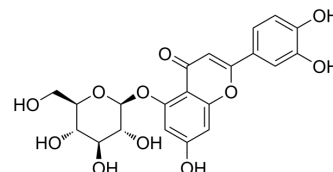
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Luteolin 5-O-glucoside

Cat. No.:	HY-N2008
CAS No.:	20344-46-1
Molecular Formula:	C ₂₁ H ₂₀ O ₁₁
Molecular Weight:	448.38
Target:	Reactive Oxygen Species; NO Synthase
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Luteolin 5-O-glucoside, a major flavonoid from <i>Cirsium maackii</i> , possesses anti-inflammatory activity. Luteolin 5-O-glucoside inhibits LPS-induced NO production and t-BHP-induced ROS generation. Luteolin 5-O-glucoside suppresses the expression of iNOS and COX-2 in macrophages ^[1] .
IC ₅₀ & Target	iNOS
In Vitro	Luteolin 5-O-glucoside, at a non-toxic concentration, inhibits LPS-induced NO production and t-BHP-induced ROS generation in a dose-dependent manner in RAW 264.7 cells. Luteolin 5-O-glucoside also suppresses the expression of iNOS and COX-2 in LPS-stimulated macrophages ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Anti-inflammatory activity of Korean thistle *Cirsium maackii* and its major flavonoid, luteolin 5-O-glucoside. *Food Chem Toxicol.* 2012 Jun;50(6):2171-9.

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

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