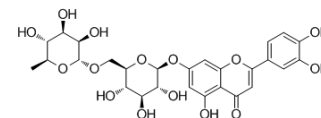


Luteolin-7-rutinoside

Cat. No.:	HY-N6647
CAS No.:	20633-84-5
Molecular Formula:	C ₂₇ H ₃₀ O ₁₅
Molecular Weight:	594.52
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

Luteolin-7-rutinoside has both anti-arthritic and antifungal activities, can result in a combination therapy for the treatment of fungal arthritis due to *C. albicans* infection.

In Vitro

At a dose of 10 µg Luteolin-7-rutinoside (lonicerin)/mL, there is an approximately 47% decrease of the proliferation as compared to proliferation of Luteolin-7-rutinoside treated (control) T cells ($p < 0.05$). Luteolin-7-rutinoside at 40 µg/mL dose give almost the same rate of T cell proliferation as does 20 µg/mL dose of Luteolin-7-rutinoside. The suppressive activity is dose dependent. Luteolin-7-rutinoside treatment shifts Th1-Th2 balance away from Th1-toward Th2-type responses. Luteolin-7-rutinoside inhibits nitric oxide (NO) production from macrophages^[1].

REFERENCES

[1]. Lee JH, et al. Antiarthritic effect of lonicerin on *Candida albicans* arthritis in mice. *Arch Pharm Res.* 2011 May;34(5):853-9.

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

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