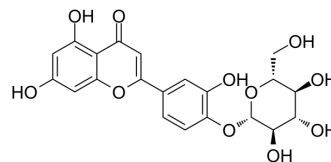


Luteolin-4'-O-glucoside

Cat. No.:	HY-N8309
CAS No.:	6920-38-3
Molecular Formula:	C ₂₁ H ₂₀ O ₁₁
Molecular Weight:	448.38
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Luteolin-4'-O-glucoside is an IL-5 inhibitor with an IC ₅₀ of 3.7 μM. Luteolin-4'-O-glucoside resists hyperuricemia and acute gouty arthritis activity. Luteolin-4'-O-glucoside shows anticancer activity ^{[1][2][3]} .
IC₅₀ & Target	IL-5
In Vitro	Luteolin-4'-O-glucoside shows cytotoxic activity against NCI-H929, U266, and OPM2 cell lines ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Park KY, et al. Inhibitory effect of luteolin 4'-O-glucoside from *Kummerowia striata* and other flavonoids on interleukin-5 bioactivity. *Planta Med.* 1999 Jun;65(5):457-9.
- [2]. Lin Y, et al. Luteolin-4'-O-glucoside and its aglycone, two major flavones of *Gnaphalium affine* D. Don, resist hyperuricemia and acute gouty arthritis activity in animal models. *Phytomedicine.* 2018 Mar 1;41:54-61.
- [3]. Xu T, et al. Glycosylation of luteolin in hydrophilic organic solvents and structure-antioxidant relationships of luteolin glycosides. *RSC Advances*, 2022, 12(28): 18232-18237.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA