



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

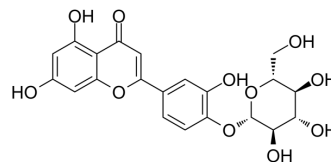
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Luteolin-4'-O-glucoside

Cat. No.:	HY-N8309
CAS No.:	6920-38-3
Molecular Formula:	C <sub>21</sub> H <sub>20</sub> O <sub>11</sub>
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

<b>Description</b>	Luteolin-4'-O-glucoside is an IL-5 inhibitor with an IC <sub>50</sub> of 3.7 μM. Luteolin-4'-O-glucoside resists hyperuricemia and acute gouty arthritis activity. Luteolin-4'-O-glucoside shows anticancer activity <sup>[1][2][3]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IL-5
<b>In Vitro</b>	Luteolin-4'-O-glucoside shows cytotoxic activity against NCI-H929, U266, and OPM2 cell lines <sup>[3]</sup> . 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