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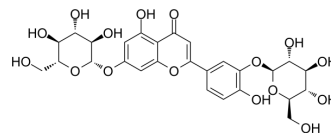
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Luteolin-3',7-diglucoside

Cat. No.:	HY-N8318
CAS No.:	52187-80-1
Molecular Formula:	C ₂₇ H ₃₀ O ₁₆
Molecular Weight:	610.52
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Luteolin-3',7-diglucoside is a glycoside that can be isolated from <i>R. luteolin</i> . Luteolin-3',7-diglucoside significantly inhibits cataracts induced in ovine lenses. Luteolin-3',7-diglucoside inhibits the activity of <i>Ureaplasma urealyticum</i> ATCC and clinical strains ^{[1][2][3]} .
IC₅₀ & Target	ATCC and clinical strains of <i>Ureaplasma urealyticum</i> ^[3]
In Vitro	Luteolin-3',7-diglucoside (10 μM; 24 h) significantly inhibits cataracts induced in ovine lenses incubated in 45 % hypotonic hepes buffered solution (HBS) for 24 h ^[2] . Luteolin-3',7-diglucoside inhibits the activity of <i>Ureaplasma urealyticum</i> ATCC strains (MIC range=7.8-15.6 μM) and <i>Ureaplasma urealyticum</i> clinical strains (MIC range=0.48-1.95 μM) ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Cristea D, et al. Identification and quantitative HPLC analysis of the main flavonoids present in weld (*Reseda luteola* L.) [J]. *Dyes and Pigments*, 2003, 57(3): 267-272.
- [2]. Vit P, et al. Putative anticataract properties of honey studied by the action of flavonoids on a lens culture model [J]. *Journal of Health Science*, 2008, 54(2): 196-202.
- [3]. Bisignano C, et al. In Vitro Efficacy of *Crataegus oxyantha* L. (Hawthorn) and Its Major Components against ATCC and Clinical Strains of *Ureaplasma urealyticum* [J]. *Advances in Microbiology*, 2016, 6(12): 909-916.

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

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