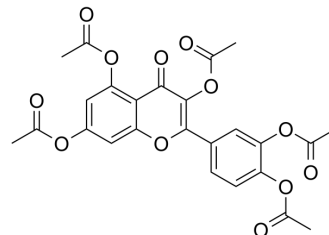


Quercetin pentaacetate

Cat. No.:	HY-124512
CAS No.:	1064-06-8
Molecular Formula:	C ₂₅ H ₂₀ O ₁₂
Molecular Weight:	512.42
Target:	RSV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Quercetin pentaacetate could interact with F-protein with lower binding energy and better stability to block viral adhesion. Quercetin pentaacetate interacts with RSV and inhibit the viral adhesion on cell surface ^{[1][2]} .
In Vitro	Quercetin pentaacetate (0-40 μM) shows the obvious inhibition on LPS-induced PGE2 production and COX-2 gene expression and the inhibition in NLA/LPS or L-NAME/LPS co-treated RAW 264.7 cells ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bruno Rafael Pereira Lopes, et al. Quercetin Pentaacetate Inhibits in Vitro Human Respiratory Syncytial Virus Adhesion. *Virus Res.* 2020 Jan 15;276:197805.

[2]. Y C Chen, et al. Inhibition of Nitric Oxide Synthase Inhibitors and Lipopolysaccharide Induced Inducible NOS and cyclooxygenase-2 Gene Expressions by Rutin, Quercetin, and Quercetin Pentaacetate in RAW 264.7 Macrophages. *J Cell Biochem.* 2001;82(4):537-48.

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

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