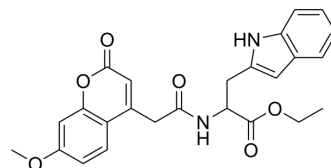


Tyrosinase-IN-26

Cat. No.:	HY-158021
Molecular Formula:	C ₂₅ H ₂₄ N ₂ O ₆
Molecular Weight:	448.47
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tyrosinase-IN-26 (compound 13) is a uncompetitive tyrosinase inhibitor with the an IC ₅₀ value of 68.86 μM. Tyrosinase-IN-26 can suppresses melanogenesis ^[1] .									
In Vitro	<p>Tyrosinase-IN-26 (compound 13) (75, 100 μM; 48 h) inhibits cell growth in B16F10 cells^[1].</p> <p>Tyrosinase-IN-26 (75, 100 μM; 48 h) suppresses melanin synthesis in B16F10 cells^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>B16F10 cells</td> </tr> <tr> <td>Concentration:</td> <td>25, 50, 75 and 100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited cell growth at 75-100 μM.</td> </tr> </table>		Cell Line:	B16F10 cells	Concentration:	25, 50, 75 and 100 μM	Incubation Time:	48 h	Result:	Inhibited cell growth at 75-100 μM.
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Concentration:	25, 50, 75 and 100 μM									
Incubation Time:	48 h									
Result:	Inhibited cell growth at 75-100 μM.									

REFERENCES

[1]. Chandarajoti K, et al. Synthesis and evaluation of coumarin derivatives on antioxidative, tyrosinase inhibitory activities, melanogenesis, and in silico investigations. Sci Rep. 2024;14(1):5535. Published 2024 Mar 6.

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

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