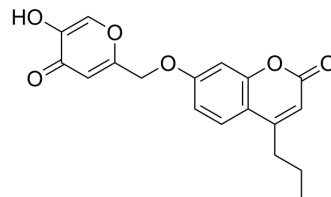


Tyrosinase-IN-27

Cat. No.:	HY-158235
CAS No.:	2966803-96-1
Molecular Formula:	C ₁₈ H ₁₆ O ₆
Molecular Weight:	328.32
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-27 (compound 6f) is a tyrosinase (TYR) inhibitor (IC₅₀: 0.88 μM) that statically quenches TYR. Tyrosinase-IN-27 increases the hydrophobicity of the enzyme microenvironment by binding to TYR, reducing the content of α-helices in the enzyme and changing its secondary structure. Tyrosinase-IN-27 can be used in the food industry to effectively inhibit the browning of lotus root slices.^{[18][1]}

REFERENCES

[1]. He M, et al. Synthesis, anti-browning effect and mechanism research of kojic acid-coumarin derivatives as anti-tyrosinase inhibitors. Food Chem X. 2024 Jan 10;21:101128.

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