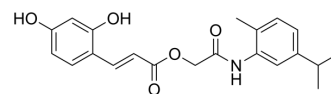


## Tyrosinase-IN-3

Cat. No.:	HY-143450
CAS No.:	2409081-40-7
Molecular Formula:	C <sub>21</sub> H <sub>23</sub> NO <sub>5</sub>
Molecular Weight:	369.41
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-3 (compound 54) is a potent inhibitor of tyrosinase. Tyrosinase is a copper-containing metalloenzyme that is responsible for the rate-limiting catalytic step in the melanin biosynthesis and enzymatic browning. Tyrosinase-IN-3 has the potential for the research of skin whitening agents and food preservatives<sup>[1]</sup>.

### REFERENCES

[1]. Li J, et al. Recent advances in the design and discovery of synthetic tyrosinase inhibitors. *Eur J Med Chem.* 2021;224:113744.

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

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