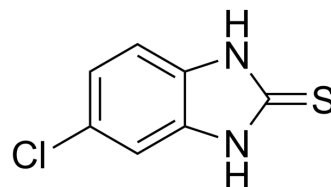


## Tyrosinase-IN-22

Cat. No.:	HY-W037976
CAS No.:	25369-78-2
Molecular Formula:	C <sub>7</sub> H <sub>5</sub> ClN <sub>2</sub> S
Molecular Weight:	184.65
Target:	Reactive Oxygen Species; Tyrosinase
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tyrosinase-IN-22 (compound 4) is an inhibitor of tyrosinase substrates (L-tyrosine and L-dopa) with IC<sub>50</sub>s of 60 nM and 30 nM, respectively. Tyrosinase-IN-22 also shows potent antioxidant and anti-melanogenic properties, thus can be used for relevant researches<sup>[1]</sup>.

### REFERENCES

[1]. Yoon D, et al. In vitro and in vivo anti-pigmentation effects of 2-mercaptobenzimidazoles as nanomolar tyrosinase inhibitors on mammalian cells and zebrafish embryos: Preparation of pigment-free zebrafish embryos. *Eur J Med Chem.* 2024 Feb 15;266:116136.

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

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