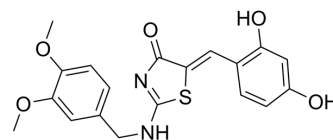


## Tyrosinase-IN-18

**Cat. No.:** HY-157123  
**Molecular Formula:** C<sub>19</sub>H<sub>18</sub>N<sub>2</sub>O<sub>5</sub>S  
**Molecular Weight:** 386.42  
**Target:** Tyrosinase  
**Pathway:** Metabolic Enzyme/Protease  
**Storage:** Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (323.48 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.5879 mL	12.9393 mL	25.8786 mL
	5 mM		0.5176 mL	2.5879 mL	5.1757 mL
	10 mM		0.2588 mL	1.2939 mL	2.5879 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Tyrosinase-IN-18 (compound 6) is a potent tyrosinase inhibitor. Tyrosinase-IN-18 has strong antioxidant activities against ROS, ABTS<sup>+</sup>, and DPPH radicals<sup>[1]</sup>.

### REFERENCES

[1]. Min Kyung Kang, et al. Identification and molecular mechanism of novel 5-alkenyl-2-benzylaminothiazol-4(5H)-one analogs as anti-melanogenic and antioxidant agents. Bioorg Chem. 2023.

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

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