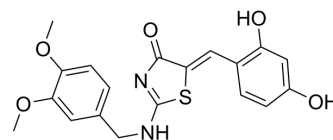


## Tyrosinase-IN-18

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:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

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

Concentration	Solvent	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.**

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