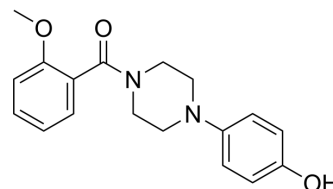


## hTYR/AbTYR-IN-1

Cat. No.:	HY-149471		
CAS No.:	1625821-37-5		
Molecular Formula:	C <sub>18</sub> H <sub>20</sub> N <sub>2</sub> O <sub>3</sub>		
Molecular Weight:	312.36		
Target:	Tyrosinase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (400.18 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2014 mL	16.0072 mL	32.0143 mL
	5 mM	0.6403 mL	3.2014 mL	6.4029 mL
	10 mM	0.3201 mL	1.6007 mL	3.2014 mL

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

### BIOLOGICAL ACTIVITY

#### Description

hTYR/AbTYR-IN-1 (Compound 7) is a hTYR/AbTYR dual inhibitor, with IC<sub>50</sub>s of 5.4 μM and 3.52 μM for hTYR and AbTYR respectively<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

5.4 μM and 3.52 μM for hTYR and AbTYR<sup>[1]</sup>

### REFERENCES

[1]. Ricci F, et al. Computational methods to analyze and predict the binding mode of inhibitors targeting both human and mushroom tyrosinase. Eur J Med Chem. 2023 Aug 28;260:115771.

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

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