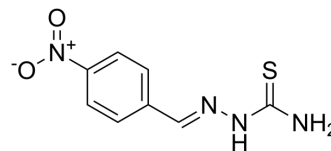


Tyrosinase-IN-2

Cat. No.:	HY-143449
CAS No.:	180864-33-9
Molecular Formula:	C ₈ H ₈ N ₄ O ₂ S
Molecular Weight:	224.24
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (557.44 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.4595 mL	22.2975 mL	44.5951 mL
	5 mM	0.8919 mL	4.4595 mL	8.9190 mL
	10 mM	0.4460 mL	2.2298 mL	4.4595 mL

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

BIOLOGICAL ACTIVITY

Description

Tyrosinase-IN-2 (compound 67) 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-2 has the potential for the research of skin whitening agents and food preservatives^[1].

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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