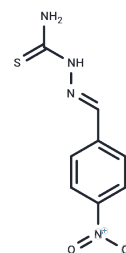


## Tyrosinase-IN-2

## Chemical Properties

CAS No. :	180864-33-9
Formula:	C <sub>8</sub> H <sub>8</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	224.24
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Tyrosinase-IN-2 (compound 67) is a potent inhibitor of tyrosinase, a copper-containing metalloenzyme crucial for the rate-limiting step in melanin biosynthesis and enzymatic browning processes. This compound shows promise for research into skin whitening agents and food preservatives [1].
Targets(IC50)	Tyrosinase

## Solubility Information

Solubility	DMSO: 50 mg/mL (222.98 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4595 mL	22.2975 mL	44.5951 mL
5 mM	0.8919 mL	4.4595 mL	8.919 mL
10 mM	0.446 mL	2.2298 mL	4.4595 mL
50 mM	0.0892 mL	0.446 mL	0.8919 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Li J, et al. Recent advances in the design and discovery of synthetic tyrosinase inhibitors. Eur J Med Chem. 2021; 224:113744.

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