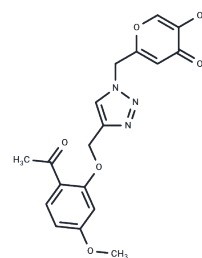


Tyrosinase-IN-42

Chemical Properties

CAS No. : 1914971-97-3
 Formula: C₁₈H₁₇N₃O₆
 Molecular Weight: 371.34
 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-42 is a tyrosinase inhibitor (IC ₅₀ : 1.363 μM) that demonstrates anti-browning effects on fresh-cut apples. It exhibits the ability to scavenge DPPH and ABTS radicals, with IC ₅₀ values of 57.90 μM and 45.64 μM respectively, indicating its antioxidant activity.
Targets(IC ₅₀)	Tyrosinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6929 mL	13.4647 mL	26.9295 mL
5 mM	0.5386 mL	2.6929 mL	5.3859 mL
10 mM	0.2693 mL	1.3465 mL	2.6929 mL
50 mM	0.0539 mL	0.2693 mL	0.5386 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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