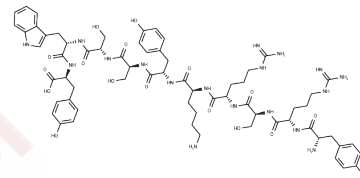


Decapeptide-12

Chemical Properties

CAS No. :	137665-91-9
Formula:	KS3WY3
Molecular Weight:	1395.52
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Decapeptide-12, a competitive inhibitor of mushroom tyrosinase with an IC ₅₀ of 40 μM and a K _d of 61.1 μM for the C-terminal residue of tyrosinase, is a small oligopeptide that reduces melanin content in melanocytes by interacting with tyrosinase and increasing transcription of SIRT. It is utilized in researching melanogenesis, senescence, and inflammation [1] [2] [3].
Targets(IC ₅₀)	Sirtuin, Tyrosinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7166 mL	3.5829 mL	7.1658 mL
5 mM	0.1433 mL	0.7166 mL	1.4332 mL
10 mM	0.0717 mL	0.3583 mL	0.7166 mL
50 mM	0.0143 mL	0.0717 mL	0.1433 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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