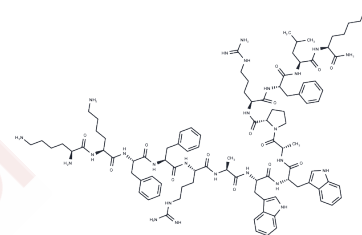


KK14(R)

Chemical Properties

CAS No. :	2415098-35-8
Formula:	C96H138N26O14
Molecular Weight:	1880.29
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	KK14(R) is a variant of the synthetic peptide KK14, demonstrating antifungal properties against <i>Fusarium culmorum</i> , <i>Penicillium expansum</i> , and <i>Aspergillus niger</i> , with minimum inhibitory concentrations (MICs) of 6.25, 12.5, and 12.5 µg/mL, respectively. KK14(R) also maintains stability under heat and varying pH levels, but it exhibits cytotoxicity towards Caco-2 and RAW264.7 cells.
Targets(IC50)	Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5318 mL	2.6592 mL	5.3183 mL
5 mM	0.1064 mL	0.5318 mL	1.0637 mL
10 mM	0.0532 mL	0.2659 mL	0.5318 mL
50 mM	0.0106 mL	0.0532 mL	0.1064 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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