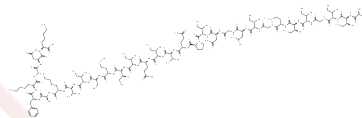


Candidalysin

Chemical Properties

CAS No. :	1906866-53-2
Formula:	C153H266N38O38S2
Molecular Weight:	3310.11
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	Candidalysin is a cytolytic peptide toxin initially isolated from *Candida albicans*, exhibiting both toxic and non-toxic properties. It activates epithelial cell signaling pathways by interacting with the epithelial growth factor receptor (EGFR) on host cells, leading to the activation of matrix metalloproteinases (MMP) and calcium ion influx, which results in inflammatory responses and immune cell recruitment. Additionally, Candidalysin exhibits cytotoxicity by causing membrane damage to host cells.
Targets(IC50)	MMP,EGFR,Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3021 mL	1.5105 mL	3.021 mL
5 mM	0.0604 mL	0.3021 mL	0.6042 mL
10 mM	0.0302 mL	0.1511 mL	0.3021 mL
50 mM	0.006 mL	0.0302 mL	0.0604 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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