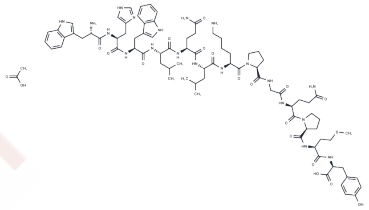
Data Sheet (Cat.No.TP1106L)

TargetMol

α-Factor Mating Pheromone, yeast acetate

Chemical Properties



CAS No. :

Formula: C84H118N20O19S

Molecular Weight: 1744.05

Storage: Keep away from moisture
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	α-Factor Mating Pheromone, yeast acetate (Mating Factor α acetate) is a peptide of 13 amino acids secreted by Saccharomyces cerevisiae α cells.
Targets(IC50)	Others
In vitro	α-Factor Mating Pheromone, yeast is synthesized constitutively by MATα cells and acting on MATa cells[1]. α-Factor Mating Pheromone, yeast inhibits the division cycle of yeast a cells, and competes for binding of 35S-α-factor to haploid a cells, with Kd of 0.3 μM, and this binding is related to five temperature-sensitive ste2 mutants, and is thermolabile. However, α-Factor Mating Pheromone, yeast binding activity of other temperature-sensitive mutants (ste4, ste5, ste7, ste11, and ste12) shows no thermolability[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5734 mL	2.8669 mL	5.7338 mL
5 mM	0.1147 mL	0.5734 mL	1.1468 mL
10 mM	0.0573 mL	0.2867 mL	0.5734 mL
50 mM	0.0115 mL	0.0573 mL	0.1147 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

Naider F, et al. The alpha-factor mating pheromone of Saccharomyces cerevisiae: a model for studying the interaction of peptide hormones and G protein-coupled receptors. Peptides. 2004 Sep;25(9):1441-63.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481