

α -Factor Mating Pheromone, yeast (TFA)

Chemical Properties

CAS No. :

Formula: C84H115N20F3O19S

Molecular Weight: 1798.02

Keep away from moisture

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	The alpha factor pheromone arrests yeast in the G1 phase of their cell cycle. Alpha Factor Mating Pheromone induces the expression of mating genes, changes in nuclear architecture, and polarizes growth toward the mating partner.
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Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5562 mL	2.7808 mL	5.5617 mL
5 mM	0.1112 mL	0.5562 mL	1.1123 mL
10 mM	0.0556 mL	0.2781 mL	0.5562 mL
50 mM	0.0111 mL	0.0556 mL	0.1112 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.

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