

PK-10

Chemical Properties

CAS No. :

Formula: C35H36F3N5O

Molecular Weight: 599.69

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	PK-10, when combined with Fluconazole, exhibits potent synergistic antifungal activity against multiple Fluconazole-resistant <i>Candida albicans</i> strains. This compound impedes hyphae formation, stimulates reactive oxygen species accumulation, and inflicts mitochondrial membrane potential damage. Consequently, PK-10 decreases cellular ATP levels and induces mitochondrial dysfunction [1].
Targets(IC50)	Others,Mitochondrial Metabolism,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6675 mL	8.3376 mL	16.6753 mL
5 mM	0.3335 mL	1.6675 mL	3.3351 mL
10 mM	0.1668 mL	0.8338 mL	1.6675 mL
50 mM	0.0334 mL	0.1668 mL	0.3335 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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