

CYP51-IN-20

Chemical Properties

CAS No. :

Formula: C₂₄H₃₀N₆O₄

Molecular Weight: 466.53

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	CYP51-IN-20 (compound 5b), an antifungal agent, effectively inhibits CYP51 and exhibits significant activity against <i>Candida albicans</i> ATCC 10231. It suppresses the ERG11 (Cyp51) gene expression and markedly curtails the morphological transformation from yeast to hyphae. Furthermore, when combined with Voriconazole, CYP51-IN-20 synergistically occupies the entire CYP51 binding site, enhancing its inhibitory impact in the <i>Glechoma</i> moth model.
Targets(IC50)	Antifungal, Cytochromes P450

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1435 mL	10.7174 mL	21.4348 mL
5 mM	0.4287 mL	2.1435 mL	4.287 mL
10 mM	0.2143 mL	1.0717 mL	2.1435 mL
50 mM	0.0429 mL	0.2143 mL	0.4287 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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Tel: 781-999-4286

E_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481