

## Antifungal Compound Library

Catalog No: #L4500

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## Description

Product Name	Antifungal Compound Library
Brief Description	Invasive fungal infections are a significant health problem in immunocompromised patients. However, the number of therapeutic options for the treatment of invasive fungal infections is quite limited, and include only three structural classes of drugs: polyenes, azoles, and echinocandins. Anti-fungi compound library from SAB is a unique collection of 66 compounds that include natural product (polyene and echinocandins), target specific chemicals (azoles) and FDA approved antifungal agents. More recently, interest in natural product-based screening has enjoyed a renaissance. This has been driven not only by the recognition of the valuable features of natural product hits and that natural substances have evolved over a very long selection process to form optimal interactions with biological macromolecules, but by improvements in structure-identification, separation, and target identification. Recently, broad interest in combination screening to identify molecules that synergize with existing classes of antibacterial and antifungal drugs as an approach to improve efficacy has emerged. Our anti-fungi compound library is an effective tool for drug repurposing screening and combination screening.
Storage	Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcode Shipped with blue ice; Stable for One year as powder, 6 months at - 20 ° C in DMSO or 12months at -80 ° C in DMSO

## Application Details

Number of Compounds: 66

## Product Description

A unique collection of 66 antifungal compounds effective for drug repurposing screening, combination screening and biological investigation. Contains antifungal agents to treat tinea corporis and Candidiasis, and compounds inhibiting the fungal-specific targets. Bioactivity and safety confirmed by clinical research and trials, some of which are FDA approved; Detailed compound information with structure, target, activity, IC50 value, and biological activity description; Structurally diverse, medicinally active, and cell permeable; Structurally diverse, medicinally active, and cell permeable; NMR and HPLC validated to ensure high purity and quality

Note: This product is for in vitro research use only