

Antibiotics Library

Catalog No: #L4400

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Description

Product Name	Antibiotics Library
Brief Description	<p>Antibiotics are used to treat or prevent bacterial infections, and sometimes protozoan infections, having saved thousands of lives. The discovery and application of antibiotics added 5-10 years to the life expectancy of the average American, therefore, it is recognized as one of the greatest medical advances of the 20th century. However, inappropriate antibiotic treatment and overuse of antibiotics have contributed to the emergence of antibiotic-resistant bacteria. Antibiotic resistance is increasing globally and fast because of greater access to antibiotic drugs in developing countries, and it is now a major threat to public health, economic growth, and global stabilization. Therefore, it is an urgent need to develop new drugs targeted at resistant organisms while limiting antibiotic use.</p> <p>The SAB Antibiotics Library, a focused collection of 250 compounds with antibiotic activity, can be used for antibacterial research and related drug screening.</p>
Storage	<p>Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcode. Shipped with blue ice;</p> <p>Stable for One year as powder, 6 months at -20 °C in DMSO or 12 months at -80 °C in DMSO</p>

Application Details

Number of Compounds: 250

Product Description

A unique collection of 250 compounds with antibiotic activity for new antibacterial drug screening; Most of them are approved to be marketed, and some of which are FDA approved. Safety and effectiveness of the small molecules have been demonstrated through preclinical and clinical research; Detailed compound information with structure, target, activity, IC₅₀ value, and biological activity description; Structurally diverse, medically active, and cell permeable; NMR and HPLC validated to ensure high purity and quality

Note: This product is for in vitro research use only