Data Sheet (Cat.No.L4400)

TargetMol
YOUR TARGET MOLECULES

Antibiotics Library

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	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. The TargetMol's Antibiotics Library, a focused collection of xnum compounds with antibiotic activity, can be used for antibacterial research and related drug screening.

Reference

Cell Stem Cell. 2022 Apr 29(4) 545-558.
Blood. 2021, 137(11): 1478-1490.
Nucleic Acids Research. 2021.
Nature Communications. 2023, 14(1): 7574.
Advanced Science. 2020, 7(16): 2000925.
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