Antitumor Natural Products Library

Catalog No: #L6700

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Description

Product Name	Antitumor Natural Products Library
Brief Description	Cancer is a well-recognized global health problem responsible for 7.6 million deaths (13% of all deaths) worldwide, which is expected to rise to 13.1 million by 2030. It has long been recognized that natural products represent the richest source of high chemical diversity, providing the basis for identification of novel scaffold structures that serves as starting points for rational anticancer drug design. According to a recent review, 49% of drugs were either natural products or their derivatives that are used in cancer treatment. Moreover, between the year 2005 and 2010, 19 natural product-based drugs have been approved, among which 7, 10 and 2 have been classified as natural product (NP), semi-synthetic NPs and NP-derived drugs, respectively. Natural products have served as an effective source of drugs and drug leads. SAB carefully collects 497 natural products from plants, animals, or microbes with known or potential antitumor activity, which is a powerful tool for your antitumor drug development and lead compounds screening
Storage	Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcodeShipped with dry ice

Application Details

Number of Compounds:497

Product Description

A unique collection of 497 natural products with known anti-cancer activity for high throughput screening (HTS) and high content screening (HCS); Known bioactivity for all compounds: detailed biological and pharmacological information, providing the research foundation and theoretical direction for screening; Clear source: known active natural products selected from animals, plants, or microorganisms with clear species information; Detailed compound information with structure, solubility, targeted signal pathways, action sites, and biological activity description; Cost-effectiveness: expensive natural products with poor drug likeliness are excluded, allowing for more high-quality natural products at a lower cost

Note: This product is for in vitro research use only