

Anti-cancer compound library

Catalog No: #L2100

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Description

Product Name	Anti-cancer compound library
Brief Description	<p>During the past decades, we have witnessed many landmark discoveries and successes in cancer research and therapy, however, cancer is still a major health problem for human beings, and it often physically and emotionally brings pains and difficulties to those living with it. Cancer cells remain undifferentiated (continue to divide, causing more damage, and invading new tissue), lack normal cell signaling responses (loss of contact inhibition and evasion of programmed cell death), contain abnormal changes (genetic abnormalities) in chromatin, have altered energy metabolism, and induce vascularization (ensure a steady supply of oxygen and nutrients).</p> <p>We carefully select 3120 compounds with anti-tumor activity based on different characteristics and abnormal metabolism with cancer cells. All of these compounds are the small molecules modulating the metabolism, growth, invasion, and metastasis of tumor cells that can be used for tumor-related research and anti-tumor 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 12months at -80 ° C in DMSO</p>

Application Details

Number of Compounds: 3120

Product Description

A unique collection of 3120 compounds with anti-cancer activity for high throughput screening (HTS) and high content screening (HCS); Bioactivity and safety profiled in (confirmed by) pre-clinical and clinical settings (research and trials); Effective tool for molecular mechanism of tumorigenesis, and anti-tumor drug screening; Covers various major targets including PI3K, HDAC, mTOR, CDK, Aurora Kinase, JAK, etc. Detailed compound information with structure, target, activity, IC50 value, and biological activity description; 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