

Description

Product Name	Bioactive Compound Library
Brief Description	<p>It contains more than 5370 small molecule compounds, with known biological activities causing biological reaction in cells, tissue even whole body, including Clinical compound library (L3400), Preclinical compound library (L3410), and Approved drug library (L1000). All compounds have clear targets and detailed information description, which is the key point to drug research and development like drug repurposing, small molecule inducing stem cell differentiation, and target identification in mechanism interrogation.</p> <p>Many scientists have identified small molecules that can regulate cell fate and function, and stem cell differentiation by screening annotated bioactive compound library with confirmed activity and known targets. Recent advances in iPSC technology have made reprogramming of somatic cells towards pluripotency possible and simpler. Using both phenotypic screening and hypothesis-driven approaches, a growing number of compounds have been identified that can functionally replace reprogramming transcription factors, enhance efficiency of iPSC generation and accelerate the reprogramming process by single use or a combination of several molecules with success in cardiomyocyte differentiation and proliferation, neural progenitor cells, etc</p>
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:5370

Product Description

A collection of 5370 small molecule compounds with validated activity for high throughput screening (HTS), high content screening (HCS), cell induction, and target identification; All compounds have clear targets; An effective tool for discovering new with old drugs, cell induction, and new drug target screening; Covers various disease research areas, such as Cancer, Metabolism, Immunology and Cardiovascular system, etc. Detailed compound information with structure, target, activity, IC50 value, and brief introduction; 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