# Anti-aging Compound Library

Catalog No: #L8200

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## Description

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| Product Name | Anti-aging Compound Library |
| Brief Description | Aging is a natural process of becoming older. The causes of aging are assigned to programmed and damage or error theories. The programmed theories imply that aging relies on specific gene regulation, and the damage or error theories emphasize the internal and environmental damages accumulated to living organisms. The damage theories proposed the nine hallmarks that were generally considered to contribute to the aging process: genomic instability, telomere attrition, epigenetic alterations, loss of proteostasis, deregulated nutrient-sensing, mitochondrial dysfunction, cellular senescence, stem cell exhaustion, and altered intercellular communication.<br><br>There is great interest in finding drugs capable of extending human lifespan and healthspan.Compounds are sought that are capable of modulating multiple aging pathways, thereby preventing a broad-spectrum of age-related diseases. The SABsAnti-Aging Compound Library, a unique collection of 833 anti-aging compounds, is an effective tool for anti-aging research, and anti-aging drug screening |
| Storage | Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcodeShipped with dry 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:833

## Product Description

A unique collection of 833 anti-aging compounds for high throughput screening (HTS) and high content screening (HCS); Targets cover various aging-related processes, such as cell protective, DNA damage repair, and stem cell induction, etc.; 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; NMR and HPLC/LCMS validated to ensure high purity and quality;

Note: This product is for in vitro research use only