# Histone Modification Research Compound Library

Catalog No: #L3500

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

| | |
|---|---|
| Product Name | Histone Modification Research Compound Library |
| Brief Description | Ahistonemodificationis a covalent post-translational enzymatic modification to histone proteins which includesmethylation,phosphorylation,acetylation, ubiquitylation, and sumoylation.Histone modification impactsgene expressionbyaltering chromatin structureor recruiting histone modifiers.Therefore, histone modifications act in diverse biological processes such as transcriptional activation/inactivation,chromosomepackaging, and DNA damage/repair.Thus, quantitative detection of various histone modifications would provide useful information for a better understanding ofepigeneticregulation of cellular processes and the development of histone modifying enzyme-targeted drugs.<br><br>The SABsHistone Modification Research Compound Library, a unique collection of 152 histone modification related compounds, can be used for research in histone modification and related drug screening |
| Storage | Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcodeShipped 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:152

## Product Description

A unique collection of 152 histone modification related compounds for high throughput screening (HTS) and high content screening (HCS); 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; 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