

## Histone Modification Research Compound Library

Catalog No: #L3500

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## Description

Product Name	Histone Modification Research Compound Library
Brief Description	<p>A histone modification is a covalent post-translational enzymatic modification to histone proteins which includes methylation, phosphorylation, acetylation, ubiquitylation, and sumoylation. Histone modification impacts gene expression by altering chromatin structure or recruiting histone modifiers. Therefore, histone modifications act in diverse biological processes such as transcriptional activation/inactivation, chromosome packaging, and DNA damage/repair. Thus, quantitative detection of various histone modifications would provide useful information for a better understanding of epigenetic regulation of cellular processes and the development of histone modifying enzyme-targeted drugs.</p> <p>The SABs Histone 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</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 12 months at -80 ° C in DMSO</p>

## 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