

## Wnt&amp;Hedgehog&amp;Notch Compound Library

Catalog No: #L4300

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## Description

Product Name	Wnt&Hedgehog&Notch Compound Library
Brief Description	<p>The Wnt signaling pathway is an ancient and evolutionarily conserved pathway that regulates crucial aspects of cell fate determination, cell migration, cell polarity, neural patterning and organogenesis during embryonic development. Aberrant regulation of the Wnt signaling pathway is a prevalent theme in cancer biology. The Hedgehog (Hh) pathway is a major regulator of many fundamental processes in vertebrate embryonic development including stem cell maintenance, cell differentiation, tissue polarity and cell proliferation. Constitutive activation of the Hh pathway leading to tumorigenesis is seen in basal cell carcinomas and medulloblastoma. A variety of other human cancers, including brain, gastrointestinal, lung, breast and prostate cancers, also demonstrate inappropriate activation of this pathway. Targeting the Hh signaling pathway provides a new and exciting therapeutic option for a broad variety of cancers. The Notch signaling pathway is a highly conserved cell signaling system present in most multicellular organisms. The Notch signaling cascade is critical for cell proliferation, differentiation, development and homeostasis. Deregulated Notch signaling is found in various diseases, such as T-cell leukemia, breast cancer, prostate cancer, colorectal cancer and lung cancer as well as central nervous system (CNS) malignancies, CADASIL, Alagille syndrome, spondylocostal dysostosis, etc.</p> <p>Wnt/Hedgehog/Notch Compound Library from SAB, a unique collection of 74 Wnt/Hedgehog/Notch signaling targeted compounds, can be used for research in Wnt/Hedgehog/Notch signaling and related drug screening (high throughput and high content 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: 74

## Product Description

A unique collection of 74 Wnt/Hedgehog/Notch signaling targeted compounds for high throughput and high content screening; Bioactivity and safety confirmed by pre-clinical research and clinical trials; 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