

## Neuronal Signaling Compound Library

Catalog No: #L2600

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## Description

Product Name	Neuronal Signaling Compound Library
Brief Description	<p>Communication between and within neurons is critical for all functions of the nervous system, from development to aging, through health and disease. The last decade has seen huge advances in our knowledge of the molecular, cellular and systematic signaling pathways within the nervous system. There have been significant breakthroughs in studies on the signaling pathways that underlie neurogenesis, addiction and autism spectrum disorders, as well as the pathophysiology and treatment of mood disorders. G protein-coupled receptors (GPCRs), including 5-HT receptors, histamine receptors, opioid receptors, are the largest family of signaling proteins to neuronal signaling. Changes in the GPCRs functioning can cause diseases many Neurological Disorders; Notch signaling is essential for proliferation, survival, self-renew, and differentiation of neural stem cells (NSCs). Notch signaling in neurons, glia and NSCs may be involved in pathological changes that occur in disorders such as stroke, Alzheimer's disease and CNS tumors. Therefore, the potential of agents that target notch signaling could be used as therapeutic interventions for several different CNS disorders.</p> <p>The Neuronal Signaling Compound Library by SAB, containing 840 compounds targeting CNS signaling, can be used for high throughput screening and high content screening for new drugs in neurological disorders.</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: 840

## Product Description

A unique collection of 840 compounds targeting CNS signaling for high throughput screening (HTS) and high content screening (HCS) for new drugs; Bioactivity and safety confirmed by pre-clinical research and clinical trials; Targets include 5-HT receptor, AChR, Histamine receptor, dopamine receptor, Opioid receptor, etc; 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