

CNS-Penetrant Compound Library

Catalog No: #L5900

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

Description

Product Name	CNS-Penetrant Compound Library
Brief Description	The bloodo Ω $\frac{1}{2}$ Cbrain barrier (BBB) is a highly selective semipermeable border that separates the circulating blood from the brain and extracellular fluid in the central nervous system (CNS). In its neuroprotective role, the bloodo Ω $\frac{1}{2}$ Cbrain barrier functions to hinder the delivery of many potentially important diagnostic and therapeutic agents to the brain. Overcoming the difficulty of delivering therapeutic agents to specific regions of the brain presents a major challenge to treatment of most brain disorders. Choosing the compounds that could penetrate BBB into the compound library targeting CNS is critical for CNS drug discovery. Based on the scientific literature, SAB collects 320 out of 5000 compounds as CNS-Penetrant Compound Library, which can be used for CNS-Penetrant related research and drug screening for CNS diseases
Storage	Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcodeShipped with sky 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:320

Product Description

A unique collection of 320 CNS-Penetrant compounds for high throughput screening (HTS) and high content screening (HCS); Targets include Kinases, GPCR, and ion channels, etc.; Effective tool for drug screening in brain disorders, such as brain tumor, mental disorders, and neurodegenerative diseases, etc.; Safety and effectiveness of the small molecules have been demonstrated through preclinical and clinical research, and some of them are FDA approved; Detailed compound information with structure, target, activity, IC50 value, and biological activity description; Structurally diverse, medicinally active, and cell permeable and CNS penetrant; NMR and HPLC/LCMS validated to ensure high purity and quality

Note: This product is for in vitro research use only