

Kinase Inhibitor library

Catalog No: #L1600

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Description

Product Name	Kinase Inhibitor library
Brief Description	<p>In biochemistry, a kinase is an enzyme that catalyzes the transfer of phosphate groups from high-energy, phosphate-donating molecules (ATP) to specific substrates. This process is known as phosphorylation. The protein kinases make up the majority of all kinases and are widely studied. A protein kinase modifies other molecules, mostly proteins, by phosphorylation to regulate the majority of cellular pathways, especially those involved in signal transduction. Various other kinases act on small molecules such as lipids, carbohydrates, amino acids, and nucleotides, either for signaling or to prime them for metabolic pathways.</p> <p>SABs Kinase Inhibitors Library, containing 900 kinase inhibitors, can be used for research in chemical genomics, pharmacological study, and drug screening for related diseases</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: 900

Product Description

A unique collection of 900 kinase inhibitors for high throughput screening and high content screening for drug discovery in kinase related diseases; Bioactivity and safety confirmed by pre-clinical research and clinical trials, and some of them are approved by FDA; Targets include MAPK, PI3K, JAK, STAT, CDK, MEK, Insulin/IGF receptors, CaM Kinase II, PKA, JNK, PKC, RAF, EGFR, SAPK, GSK, MLCK, Src-family, IKK, PDGFR, VEGFR, 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