

Cytokines Inhibitor library

Catalog No: #L3600

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Description

Product Name	Cytokines Inhibitor library
Brief Description	<p>Cytokines are a broad and loose category of small proteins (~50 kDa) that are important in cell signaling, modulate the balance between humoral and cell-based immune responses, and are heavily involved in autoimmune and inflammatory diseases. Blocking cytokine signaling pathways by biologics has shown clinical effectiveness in these diseases.</p> <p>Cytokines act through receptors and activate related signaling to modulate gene expression and cell functions. Cytokine receptors activate many signaling pathways: JAK-STAT, NF-κB, MAPK, PI3K, etc. A number of small molecular weight inhibitors targeting cytokine signaling have been identified as research progresses and some are approved to be marketed. Cytokines Inhibitors Library from SAB, containing 182 compounds targeting cytokine signaling, can be used for high throughput and high content screening for drug discovery.</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: 182

Product Description

A unique collection of 182 compounds targeting cytokine signaling for high throughput screening and high content screening for drug discovery; Bioactivity and safety confirmed by pre-clinical research and clinical trials, and most of them are approved to be marketed; Targets cover various cytokines including IL, CSF, IFN, TNF, TGF- β family, growth factors, chemokine family, etc; Detailed compound information with structure, target, activity, IC₅₀ value, and biological activity description; Structurally diverse, medically active, and cell permeable; NMR and HPLC validated to ensure high purity and quality;

Note: This product is for in vitro research use only