

MAPK Inhibitor Library

Catalog No: #L1400

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Description

Product Name	MAPK Inhibitor Library
Brief Description	<p>Mitogen-activated protein kinases (MAPKs) are a highly conserved family of serine/threonine protein kinases involved in a variety of fundamental cellular processes such as proliferation, differentiation, motility, stress response, apoptosis, and survival. A broad range of extracellular stimuli including mitogens, cytokines, growth factors, and environmental stressors stimulate the activation of one or more MAPKK kinases (MAPKKKs) via receptor-dependent and -independent mechanisms. MAPKKKs then phosphorylate and activate a downstream MAPK kinase (MAPKK), which in turn phosphorylates and activates MAPKs.</p> <p>The MAPK Inhibitor Library by SAB, containing 140 compounds targeting MAPK signaling, can be used for research in MAPK signaling, 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 12months at -80 ° C in DMSO</p>

Application Details

Number of Compounds: 140

Product Description

A unique collection of 140 compounds targeting MAPK signaling for drug discovery in MAPK related diseases; Bioactivity and safety confirmed by pre-clinical research and clinical trials, and some of them are approved by FDA; Targets include ERK, JNK, MEK, p38, MAPK, Raf, RSK, MNK, 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