

## Tyrosine kinase inhibitor library

Catalog No: #L2200

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## Description

Product Name	Tyrosine kinase inhibitor library
Brief Description	<p>A protein kinase is an enzyme that modifies other molecules, mostly proteins, by chemically adding phosphate groups to them (phosphorylation) to regulate the majority of cellular pathways, especially those involved in signal transduction. Phosphorylation usually results in a functional change of the target protein (substrate) by changing enzyme activity, cellular location, or association with other proteins. Of the 518 known kinases, the most successful class for drug targeting is the tyrosine kinase family consisting of 90 distinct and diverse members. Abnormal expression of PTK usually leads to cell proliferation disorders, and is closely related to tumor invasion, metastasis and tumor angiogenesis. More recently, PTKs play a pivotal role in inflammatory diseases such as idiopathic pulmonary fibrosis.</p> <p>The Tyrosine Kinase Inhibitors Library by SAB, containing 339 tyrosine kinase inhibitors, can be used for research in tyrosine kinase 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 12 months at -80 ° C in DMSO</p>

## Application Details

Number of Compounds: 339

## Product Description

A unique collection of 339 tyrosine kinase inhibitors for high throughput screening and high content screening for drug discovery in tyrosine kinase related diseases; Bioactivity and safety confirmed by pre-clinical research and clinical trials, and some of them are approved by FDA; Targets include c-Kit, c-Met, EGFR, FGFR, SRC, JAK, SYK, Btk, Bcr-Abl, 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