

Protease Inhibitor Library

Catalog No: #L1100

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Description

Product Name	Protease Inhibitor Library
Brief Description	<p>Protease inhibitors are molecules that inhibit the function of proteases (enzymes that aid the breakdown of proteins), including proteins protease inhibitors, natural protease inhibitors, and synthetic protease inhibitors. (1). Antiprotozoal activity: protease inhibitors could be used against malaria and gastrointestinal protozoal infections; (2). Antiretrovirals: protease inhibitors were the second class of antiretroviral drugs developed widely used to treat HIV/AIDS and hepatitis C; (3). Anticancer activity: Researchers are investigating whether protease inhibitors could possibly be used to treat cancer. For example, nelfinavir and atazanavir are able to kill tumor cells in culture. Inhibitors of the proteasome, such as bortezomib are now front-line drugs for the treatment of multiple myeloma. Marimastat and batimastat are two of the matrix metalloproteinase inhibitors that can be used to treat cancer.</p> <p>The Protease Inhibitor Library by SAB, containing 162 small protease and proteasome inhibitors, can be used for research in Chemical Genomics and drug screening.</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: 162

Product Description

A unique collection of 162 protease and proteasome inhibitors for research in chemical genomics, and drug screening; Targets include proteasome, DPP-4, Serine protease, cysteine protease, MMP, Aspartic proteinases, etc; Bioactivity and safety confirmed by pre-clinical research and clinical trials, and some of them are approved by FDA; 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