

Apoptosis Compound Library

Catalog No: #L9000

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Description

Product Name	Apoptosis Compound Library
Brief Description	<p>Apoptosis is a form of programmed cell death that occurs in multicellular organisms. In contrast to necrosis, which is a form of traumatic cell death that results from acute cellular injury, apoptosis is a highly regulated and controlled process that confers advantages during an organism's lifecycle. Apoptosis leads to characteristic cell changes (morphology): the cell breaks apart into multiple vesicles called apoptotic bodies, which undergo phagocytosis. Apoptosis is regulated by both pro-apoptotic (such as Fas receptor and caspases) and anti-apoptotic (such as Bcl-2 and IAP) factors. Disordered apoptosis is implicated in a variety of human diseases. Inhibition of apoptosis can result in a number of cancers, autoimmune diseases, inflammatory diseases, and viral infections. Excessive apoptosis may also be a feature of some conditions such as autoimmune diseases, neurodegenerative diseases, and ischemia-associated injury. Consequently, considerable interest has arisen in therapeutic strategies for cancer, autoimmune diseases, and neurodegenerative diseases by modulating apoptosis pharmacologically.</p> <p>SABs collection of 191 apoptosis-related compounds, Apoptosis Compound Library, is divided accordingly with compounds designed for either pro- or anti-apoptosis purposes and can be used for research in cancer and neurodegenerative diseases.</p>
Storage	Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcode. Shipped with dry ice; Stable for One year as powder, 6 months at -20 °C in DMSO or 12 months at -80 °C in DMSO

Application Details

Number of Compounds: 191

Product Description

A unique collection of 191 apoptosis-related compounds for apoptosis research, research in tumorigenesis, and anti-cancer drug screening; Targets include Bcl-2, Caspase, p53, TNF-alpha, and surviving, 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