

Polyphenolic Natural compound Library

Catalog No: #L6100

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Polyphenolic Natural compound Library
Brief Description	<p>Polyphenols are compounds with various potential biological properties such as antioxidants, anti-inflammatory, antineoplastic, antiaging, cardioprotective, anticancer, and antimicrobial properties. Natural polyphenols play an important role in cancer prevention and treatment by blocking cell cycle, inducing apoptosis, and inhibiting cell adhesion, migration, proliferation, and differentiation. Polyphenols are defined as compounds having at least one aromatic ring with one or more hydroxyl functional groups attached. Natural polyphenols include flavonoids, phenolic acids, lignans, tannins, stilbenes, curcumin, Coumarin, quinone, and other polyphenols.</p> <p>Natural Polyphenolic compound Library is a unique collection of 367 natural polyphenolic compounds, an effective tool for anti-cancer drug screening and high throughput screening (HTS) and high content screening (HCS).</p>
Storage	<p>Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcode. Shipped with dry 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: 367

Product Description

A unique collection of 367 natural polyphenolic compounds for high throughput screening (HTS) and high content screening (HCS); Targets include JAK, AMPK, CYP, etc.; Safety and effectiveness of the small molecules have been demonstrated through preclinical and clinical research; Detailed compound information with structure, target, activity, IC₅₀ value, and biological activity description; Structurally diverse, medicinally active, and cell permeable; NMR and HPLC/LCMS validated to ensure high purity and quality

Note: This product is for in vitro research use only