

## Description

Product Name	Human Endogenous Metabolite Compound Library
Brief Description	<p>Changes in biological status (such as hypoxia, nutrients, drugs) usually cause the perturbations in the concentrations and fluxes of specific endogenous metabolites involved in a number of key disease-related or other specific cellular pathways. Extensive efforts in recent years have been focused on metabolic alterations in cancer, the products of intermediary metabolism have been a topic of considerable research interest. Cancer cells exhibit profound alterations in their metabolism. The quantitative measurement of the dynamic multiparametric metabolites, identification and quantification of intermediary metabolism can better help predict the tumor progress, understand the metabolic pathways and molecular mechanism of carcinogenesis. Current researches mainly focus on energy metabolism targeted compounds, such as nucleotides, amino acids, lipids, saccharide, etc. For example, alterations of cellular lipidomics (choline, phosphatidylcholine, cholesterol, etc.) reported in cancer provides a major opportunity to treat and prevent cancer; alterations of glucose metabolism (abnormal pyruvate, lactate, and isobutyric acid, etc.) in cancer cells, which also have become the hotspots in cancer research and therapeutics by targeting lipid metabolism and glucose metabolism.</p> <p>SABs collection of 665 endogenous metabolism-related compounds, Human Endogenous Metabolism Compound Library, can be used for research in endogenous metabolism-related diseases 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 12months at -80 ° C in DMSO</p>

## Application Details

Number of Compounds:665

## Product Description

A unique collection of 665 endogenous metabolism-related compounds for research in endogenous metabolism-related diseases and drug screening; Effective tool for research in endogenous metabolism-related diseases, exploring the tumorigenesis, and drug discovery; 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 validated to ensure high purity and quality;

Note: This product is for in vitro research use only