Ion Channel Inhibitor Library

Catalog No: #L2300

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Description

Product Name	Ion Channel Inhibitor Library
Brief Description	Given the central functional role that the ion channel superfamily plays in human physiology, its membrane localization, and the diverse tissue distribution of different members of the family, it represents an attractive potential target class for drug discovery. Ion channelsplay a fundamental role in the way cells communicate. This communication between cells allows for the orchestration of physical and mental activities in humans. A number of diseases occur when ion channels do not function properly. Some examples are diabetes, neuropathic pain, cardiovascular diseases, asthma, epilepsy, and neurodegenerative disease, etc. The Ion Channel Inhibitor Library by SAB, containing 362 compounds targeting ion channels, can be used for research in ion channel, high throughput screening and high content screening for ion channel drug discovery.
Storage	Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcodeShipped with blue ice; Stable for One year as powder, 6 months at - 20 ° C in DMSO or 12months at -80 ° C in DMSO

Application Details

Number of Compounds:362

Product Description

A unique collection of 362 compounds targeting ion channels for research in ion channels-related diseases and ion channel drug discovery; Bioactivity and safety confirmed by pre-clinical research and clinical trials, and some of them are approved by FDA; Targets include potassium channel, calcium channel, sodium channel, Proton pump, 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