

Potassium channel blockers library

Catalog No: #L7300

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Description

Product Name	Potassium channel blockers library
Brief Description	Potassium channels are the most widely distributed type of ion channel and are found in virtually all living organisms. They form potassium-selective pores that span cell membranes. Furthermore, potassium channels are found in most cell types and control a wide variety of cell functions, such as regulation of cellular excitability, neurotransmitter release, protecting cardiac myocytes, and anti-arrhythmia function, and are involved in learning and memory process, and temperature control. Potassium channel blockers is a class of drugs that act by inhibition of potassium efflux through cell membranes, including inorganic ions (Cs, Ba) and organic molecules (TEA, 4-AP), toxins (scorpion venoms, snake venoms, and bee venoms), and potassium channel blockers in clinical use.
Storage	Powder or pre-dissolved DMSO solutions in 96 well plate with optional 2D barcode Shipped with dry ice

Application Details

Number of Compounds:60

Product Description

A unique collection of 60 potassium channel blockers and agonists for high throughput and high content screening; Targeting different subtypes of potassium channels, such as Kir1.1, Kir3.x, Kir6.x and Kv7.1, etc. Bioactivity and safety confirmed by pre-clinical research and clinical trials, some of which are FDA approved; 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