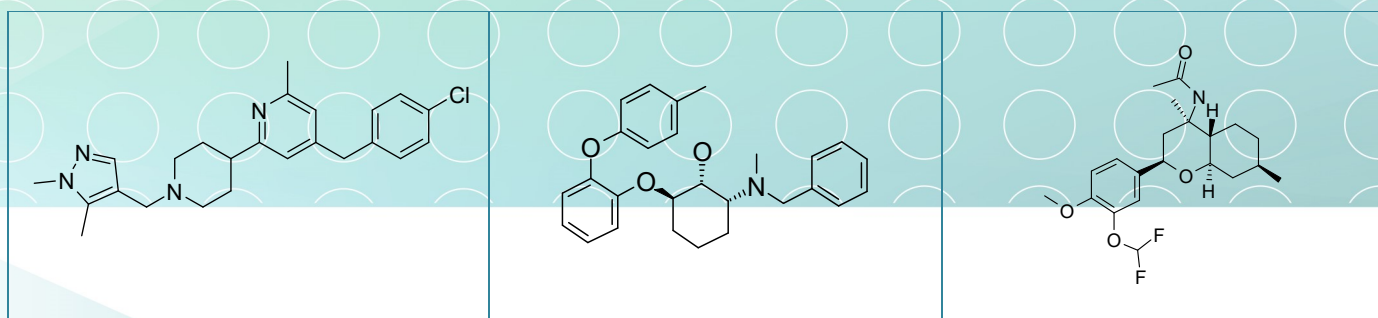


SL-41. Voltage-gated ion channels

Ion channels are critical for cell-to-cell communication in the nerve and cardiovascular systems and regulate multiple biological processes such as muscle contraction, epithelial transport of nutrients, T-cell activation and pancreatic insulin release. Genetic disorders of ion channels can lead to several pathologic conditions such as: diabetes, cystic fibrosis, hypertension, arrhythmia, neuropathic pain, cancer, stroke, diabetes, and neurodegenerative diseases [1].

Many existing ion channel drugs were discovered without a clear understanding of their MOA; a rational design of target-specific ion channel modulators would, therefore, represent a significant challenge. At ASINEX, we have identified a number of ion-channel modulators against undisclosed voltage-gated ion channels. This library is useful for ion channel research and drug discovery.



Signature Library 41

Formats	Supplementary Information
80 compounds per plate 0.1 mg; 1 mg; 2 mg dry film/powder 0.1 μ mol; 1 μ mol DMSO solutions	SL#41_Voltage-gated ion channels.sdf

References:

1. *Expert Opin Ther Targets*. 2007 Mar;11(3):265-71. doi: 10.1517/14728222.11.3.265

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