Product Name: SEA0400
CAS No.: 223104-29-8
Cat. No.: HY-15515
MWt: 371.38
Formula: C21H19F2NO3
Purity: >98%
Solubility: DMSO

Mechanisms:
Pathways: Membrane Transporter/Ion Channel; Target: Na+/Ca2+ Exchanger

Biological Activity:
SEA0400 is a novel and selective inhibitor of the Na+-Ca2+ exchanger with IC50 of 5-33 nM (inhibiting Na+-dependent Ca2+ uptake in cultured neurons, astrocytes, and microglia).
IC50 value: 5-33 nM
Target: NCX
SEA0400, a specific Na+/Ca2+ exchange (NCX) inhibitor, prevents dopaminergic neurotoxicity in an MPTP mouse model of Parkinson's disease and attenuates reperfusion injury in the in vitro and in vivo cerebral ischemic models. SEA0400 will be a powerful tool for further studies on the role of NCX in the heart and the therapeutic potential of its inhibition.

References:

Caution: Not fully tested. For research purposes only

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