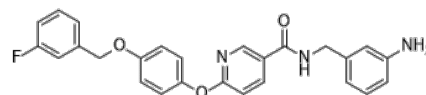


Product Name : YM-244769
Cat. No. : PC-25195
CAS No. : 838819-70-8
Molecular Formula : C₂₆H₂₂FN₃O₃
Molecular Weight : 443.48
Target : Sodium-calcium Exchanger (NCX)
Solubility : 10 mM in DMSO



Biological Activity

YM-244769 is a potent, selective and orally active Na⁺/Ca²⁺ exchanger (NCX) inhibitor, inhibits initial rates of 45Ca²⁺ uptake into NCX1, NCX2, and NCX3 transfectants with IC₅₀ of 68 nM, 96 nM and 18 nM respectively. YM-244769 is not only experimentally useful as a NCX inhibitor that preferentially inhibits NCX3, but also has therapeutic potential as a new neuroprotective drug.

References

Iwamoto T, et al. Mol Pharmacol. 2006 Dec;70(6):2075-83.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com