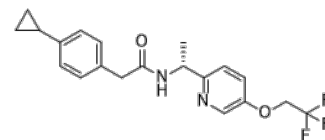


Product Name : TTA-A2
Cat. No. : PC-22153
CAS No. : 953778-63-7
Molecular Formula : C₂₀H₂₁F₃N₂O₂
Molecular Weight : 378.40
Target : Calcium Channel
Solubility : 10 mM in DMSO



CAS: 953778-63-7

Biological Activity

TTA-A2 is a potent, selective, state-dependent T-type calcium channel antagonist with IC₅₀ of 89 nM and 4100 nM in voltage clamp assays with -80-mV and -100-mV holding membrane potentials in HEK 293 cells heterologously expressing human CaV3.1, respectively.

TTA-A2 displays no significant activities against L-, N-, P/Q-, and R-type calcium channels.

TTA-A2 decreases inactive phase food intake and accentuates diurnal rhythms in core temperature and activity during HFD.

TTA-A2 reduces body weight and improves body composition in diet-induced obese rats.

References

Uebele VN, et al. J Clin Invest. 2009 Jun;119(6):1659-67.

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

E-mail: tech@probechem.com