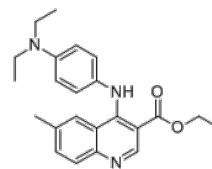


Product Name : MCU-i4
Cat. No. : PC-73142
CAS No. : 371924-24-2
Molecular Formula : C₂₃H₂₇N₃O₂
Molecular Weight : 377.49
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

MCU-i4 is a specific **MICU1** targeting compound that negative modulate mitochondrial Ca²⁺ uptake.

MCU-i4 directly binds a specific cleft in MICU1 (K_d=8.4 uM), a key element of the mitochondrial calcium uniporter (MCU) complex that controls channel gating.

MCU-i4 effectively inhibited mitochondrial Ca²⁺ uptake at 5 uM, impair muscle cell growth.

References

Giulia Di Marco, et al. **Cell Rep.** 2020 Feb 18;30(7):2321-2331.e6.

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

E-mail: tech@probechem.com