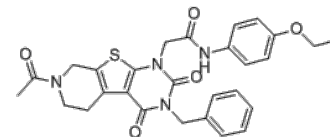


Product Name : MCU-i11
Cat. No. : PC-73143
CAS No. : 902903-59-7
Molecular Formula : C₂₈H₂₈N₄O₅S
Molecular Weight : 532.615
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

MCU-i11 is a specific **MICU1** targeting compound that negative modulate mitochondrial Ca²⁺ uptake.

MCU-i11 directly binds a specific cleft in MICU1 (K_d=2.9 uM), a key element of the mitochondrial calcium uniporter (MCU) complex that controls channel gating.

MCU-i11 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!

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