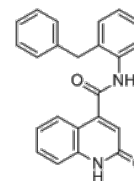


Product Name : ER-000444793
Cat. No. : PC-62132
CAS No. : 792957-74-5
Molecular Formula : C₂₃H₁₈N₂O₂
Molecular Weight : 354.409
Target :
Solubility : 10 mM in DMSO



Biological Activity

ER-000444793 is a potent, cyclophilin D-independent inhibitor of **mitochondrial permeability transition pore (mPTP)** with with IC₅₀ of 2.8 μ M.

ER-000444793 neither affects cyclophilin D (CypD) enzymatic activity, nor displaces CsA from CypD protein.

ER-000444793 improves mitochondrial Ca²⁺ tolerance with IC₅₀ of 1.2 μ M, increases mitochondrial Ca²⁺ retention capacity dose-dependently, and delays the onset of mPT in HeLa S3 cells with no effect on mitochondrial or cellular health.

References

Briston T, et al. Sci Rep. 2016 Nov 25;6:37798.

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

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