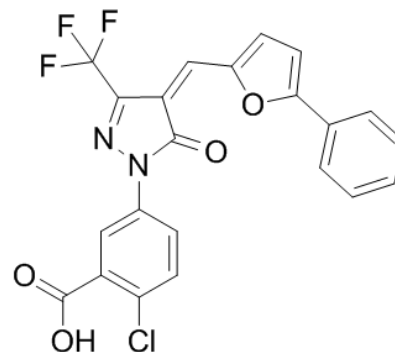


Product Name : EN460
Cat. No. : PC-43248
CAS No. : 496807-64-8
Molecular Formula : C₂₂H₁₂ClF₃N₂O₄
Molecular Weight : 460.7899
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

EN460 is a specific small molecule inhibitor of **endoplasmic reticulum oxidation 1 (ERO1)**, interacts selectively with the reduced, active form of ERO1 α and prevents its reoxidation (IC₅₀=1.9 μ M).

EN460 promotes signaling in the unfolded protein response and precondition cells against severe ER stress.

EN460 shows a dose response effect on the embryos with a dose of 10 μ M being significantly lethal during early embryonic development.

References

Blais JD, et al. *J Biol Chem*. 2010 Jul 2;285(27):20993-1003.

Geldenhuys WJ, et al. *Bioorg Med Chem Lett*. 2017 May 1;27(9):2029-2037.

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

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