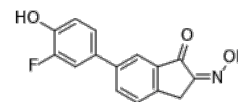


Product Name : CIDD-0149897
Cat. No. : PC-21008
CAS No. : 2862784-20-9
Molecular Formula : C₁₅H₁₀FNO₃
Molecular Weight : 271.25
Target : Estrogen Receptor/ERR
Solubility : 10 mM in DMSO



Biological Activity

CIDD-0149897 is a potent, selective, brain permeable estrogen receptor beta (**ERβ**) agonist, 40-fold selective over ERα. CIDD-0149897 markedly reduced GBM cell viability with an IC₅₀ of ~7-15 μM, while having little to no effect on ERβ-KO cells and normal human astrocytes.

CIDD-0149897 enhanced expression of known ERβ target genes and promoted apoptosis in established and patient-derived GSC models.

CIDD-0149897 significantly decreased tumor growth in U251 xenograft model and extended the survival of orthotopic GBM tumor-bearing mice.

References

Uday P Pratap, et al. *Mol Cancer Ther.* 2023 Jul 26;MCT-23-0031.

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

E-mail: tech@probechem.com