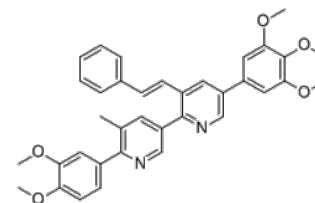


Product Name : iHSP110-33
Cat. No. : PC-73010
CAS No. : 1651890-48-0
Molecular Formula : C₃₆H₃₄N₂O₅
Molecular Weight : 574.677
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

iHSP110-33 (Foldamer 33) is a small molecule **HSP110** inhibitor, directly binds to the nucleotide-binding domain (NBD) of HSP110, blocks HSP110 chaperone function and colorectal cancer growth.

iHSP110-33 (Foldamer 33) significantly inhibit HSP110 anti-aggregating activity with IC₅₀ of 87.8 μ M.

iHSP110-33 (Foldamer 33) displays no effect for HSP70 chaperone activity

iHSP110-33 (Foldamer 33) disrupts HSP110-STAT3 interaction with IC₅₀ of 35.9 μ M in competitive BLI assays.

iHSP110-33 (Foldamer 33) inhibits SW480 colorectal cancer cell proliferation, and (5 mg/kg) Foldamer 33 displays an anti-tumor effect (TGI of 40% and 60%) in mice bearing a colorectal cancer.

References

Gozzi GJ, et al. *Cell Death Differ.* 2020 Jan;27(1):117-129.

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

E-mail: tech@probechem.com