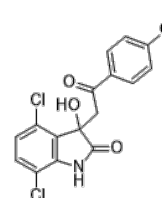


Product Name : YK-4-279
Cat. No. : PC-22540
CAS No. : 1037184-44-3
Molecular Formula : C₁₇H₁₃Cl₂NO₄
Molecular Weight : 366.19
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

YK-4-279 is a specific small molecule inhibitor of EWS-FLI1 interaction with RNA helicase A with SPR KD of 9.48 μ M for EWS-FLI1, reduces EWS-FLI1 functional activity, also reduces EWS-FLI1 modulated transcription.

YK-4-279 specifically inhibits Ewing's Sarcoma Family Tumors (ESFT) cell growth (IC₅₀ values between 0.5 to 2 μ M) and induces apoptosis, but not cell death in the non-transformed cells.

YK-4-279 (60-75 mg/kg) inhibits ESFT xenograft growth in CHP-100 xenograft tumors.

References

Erkizan HV, et al. Nat Med. 2009 Jul;15(7):750-6.

Erkizan HV, et al. Clin Cancer Res. 2010 Aug 15;16(16):4077-83.

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

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