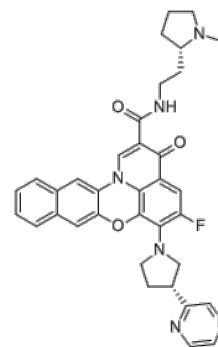


Product Name : CX-3543
Cat. No. : PC-62219
CAS No. : 865311-47-3
Molecular Formula : C₃₅H₃₃FN₆O₃
Molecular Weight : 604.67
Target : DNA/RNA Synthesis
Solubility : 10 mM in DMSO



Biological Activity

CX-3543 (Quarfloxin, Itarnafloxin) is a small molecule nucleolus-targeting agent that selectively disrupts nucleolin/rDNA G-quadruplex complexes in the nucleolus, thereby inhibiting **RNA Pol I** transcription and inducing apoptosis in cancer cells.

References

- Drygin D, et al. **Cancer Res.** 2009 Oct 1;69(19):7653-61.
Stokes JM, et al. **Nat Chem Biol.** 2015 Dec;11(12):924-32.
Xu H, et al. **Nat Commun.** 2017 Feb 17;8:14432.

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

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