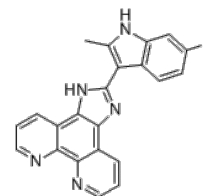


Product Name : APTO-253
Cat. No. : PC-35075
CAS No. : 916151-99-0
Molecular Formula : C₂₂H₁₄FN₅
Molecular Weight : 367.387
Target : Kruppel-like Factor (KLF)
Solubility : 10 mM in DMSO



Biological Activity

APTO-253 (LOR-253) is a small molecule inducer of **KLF4**, stabilizes G-quadruplex DNA and reduces **MYC mRNA expression** and protein levels.

APTO-253 is converted intracellularly from a monomer to a ferrous complex [Fe(253)3].

APTO-253 selectively induces CDKN1A (p21), promotes G0-G1 cell-cycle arrest, and triggers apoptosis in acute myeloid leukemia (AML) cells without producing myelosuppression in various animal species and humans, induces DNA Damage in AML cells.

References

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

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