

Phase 1 Study of Revumenib in Combination With Intensive Chemotherapy in Patients With Newly Diagnosed Acute Myeloid Leukemia Harboring Genetic Alterations in *KMT2A*, *NPM1*, or *NUP98*: SNDX-5613-0708

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INTRODUCTION

- Acute leukemias (AL) harboring a *KMT2A* or *NUP98* rearrangement confer unfavorable prognoses,^{1,2} and while *NPM1*-mutated AML without concurrent *FLT3*-internal tandem duplication (ITD) mutation is considered favorable risk, ~50% of adults with *NPM1* will relapse³
- High relapse rates, persistent MRD, and short OS remain challenges in *KMT2Ar*, *NPM1m*, and *NUP98r* AML^{1,2,4-11}
 - At relapse, these subtypes have poor prognoses and frequent resistance to standard treatments but are susceptible to menin inhibition
- KMT2Ar*, *NPM1m*, and *NUP98r* enhance transcriptional activity of the menin-*KMT2A* interaction, leading to differentiation arrest and leukemogenesis^{12,13}
- Revumenib is a first-in-class, oral, potent, and selective inhibitor of the menin-*KMT2A* interaction that disrupts multiple key drivers of leukemogenesis (*KMT2Ar*, *NPM1m*, and *NUP98r*)¹⁴
- Revumenib is the only menin inhibitor approved for R/R AL harboring a *KMT2A* translocation or an *NPM1* mutation in adult and pediatric patients (≥1 year) in the United States¹⁵
- The addition of revumenib to standard-of-care intensive chemotherapy (IC) may further decrease leukemic cell proliferation and enhance differentiation, thereby improving overall response to treatment

OBJECTIVE

- To report preliminary data from the dose level (DL) 1 and DL2 cohorts of the dose-escalation portion of an ongoing phase 1 study of revumenib + IC for newly diagnosed AML harboring a *KMT2A* rearrangement, *NPM1* mutation, or *NUP98* rearrangement

METHODS

Study design

- SNDX-5613-0708 is a global, phase 1, multicenter, open-label, dose-escalation and -expansion study of revumenib + IC (NCT06226571; Figure 1)

Figure 1. Study design

