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The prohibitin-binding compound fluorizoline induces apoptosis in chronic lymphocytic leukemia cells through the upregulation of NOXA and synergizes with ibrutinib, AICAR or venetoclax.

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Contributions: AMC and HP performed the research, analysed the data and wrote the paper; DI-S, JS-E, SN-V and DMG-G performed the research; EB and EMG-B contributed with patient samples and data; SP, FA and RL synthesized fluorizoline; GP analysed the data; JG designed and supervised the research study, analysed the data and wrote the paper. All authors revised the manuscript critically and approved the final version to be published.