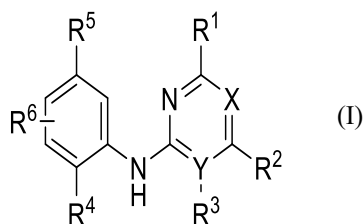


Aniline-based WDR5 Protein-Protein Interaction Inhibitor, Method for Preparing the Same, and Use thereof

Abstract

The present disclosure discloses a WDR5 protein-protein interaction inhibitor, including a compound having a structure represented by general formula (I). Experiments show that the inhibitor acts on a WDR5 protein and an interacting protein thereof including, but not limited to, MLL, selectively inhibits the proliferation of leukemia cells, and inhibits the methylation of H3K4 and the expression of downstream Hox/Meis-1 gene at the cellular level. The present disclosure also discloses a method for preparing the inhibitor and use thereof in the preparation of a drug for treating acute leukemia and other related diseases.



[Figure 3]