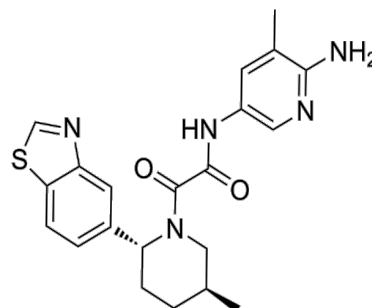


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : Cilofexor
Cat.No. : URK-V588
CAS No. : 1418274-28-8
Molecular Formula : $C_{28}H_{22}Cl_3N_3O_5$
Molecular Weight :
Target :
Solubility :



Biological Activity

TNG908 works by targeting the Splicing Factor 3b Subunit 1 (SF3B1) protein, which plays a crucial role in the splicing of pre-mRNA. The inhibition of SF3B1 by TNG908 can lead to changes in RNA splicing and ultimately, the selective death of cancer cells.

Research on TNG908 has shown promising results in its ability to treat various types of malignant tumors. Studies have demonstrated that TNG908 can be effective in treating acute myeloid leukemia (AML), chronic lymphocytic leukemia (CLL), and other types of solid tumors. Its ability to effectively target SF3B1 is a significant advantage in cancer treatment, as mutations in this protein are common in many types of cancer.

TNG908 has also shown potential as a therapeutic agent for other diseases. Studies have suggested that TNG908 could be effective in treating diseases related to RNA splicing, such as spinal muscular atrophy (SMA) and myotonic dystrophy type 1 (DM1).

References

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2. Mancini M, Zaytseva YY, Levkovich T, et al. Abstract B131: Preclinical study of the splicing factor SF3B1 inhibitor TNG908 as a therapeutic agent in prostate cancer. *Cancer Research*, 2019, 79(13 Supplement): B131.
3. Tariq NU, Vogel RI, Byers K, et al. Splicing analysis of human spinal muscular atrophy cells confirms subtle disease-specific abnormalities. *Human Mutation*, 2011, 32(8): 832-842.

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

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