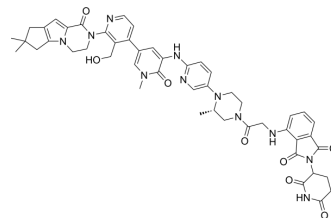


PTD10

Cat. No.:	HY-154860
CAS No.:	2642231-19-2
Molecular Formula:	C ₄₉ H ₅₁ N ₁₁ O ₈
Molecular Weight:	922
Target:	Btk; PROTACs
Pathway:	Protein Tyrosine Kinase/RTK; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PTD10 is a highly potent PROTAC BTK degrader (DC₅₀: 0.5 nM, K_D: 2.28 nM). PTD10 degrades BTK in Ramos and JeKo-1 cells with DC₅₀s of 0.5 and 0.6 nM respectively. PTD10 inhibits cell growth, and induces cell apoptosis via activation of the caspase-dependent pathway and mitochondrial pathway. PTD10 can be used for research of B-cell dysregulation^[1].

REFERENCES

- [1]. Li YQ, et al. Discovery of Novel Bruton's Tyrosine Kinase PROTACs with Enhanced Selectivity and Cellular Efficacy. *J Med Chem.* 2023 Jun 8;66(11):7454-7474.
- [2]. Li YQ, et al. Discovery of Novel Bruton's Tyrosine Kinase PROTACs with Enhanced Selectivity and Cellular Efficacy. *J Med Chem.* 2023 Jun 8;66(11):7454-7474.

Caution: Product has not been fully validated for medical applications. For research use only.

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