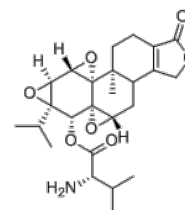


Product Name : WBC100
Cat. No. : PC-72923
CAS No. : 2095780-08-6
Molecular Formula : C₂₅H₃₃NO₇
Molecular Weight : 459.539
Target : c-Myc
Solubility : 10 mM in DMSO



Biological Activity

WBC100 (WBC-100) is a novel potent, oral active that selectively degrades **c-Myc** protein over other proteins and potently kills c-Myc overexpressing cancer cell.

selectively kills c-Myc overexpressing cancer cells Mia-paca2 (PDAC), H9 (T-cell lymphoma), and MOLM-13 (acute myeloid leukemia) with IC₅₀ of 61, 17 and 16 nM, respectively.

WBC100 targets the nuclear localization signal 1 (NLS1)-Basic-nuclear localization signal 2 (NLS2) region of c-Myc and induces c-Myc protein degradation through ubiquitin E3 ligase CHIP mediated 26S proteasome pathway, leading to apoptosis of cancer cells.

WBC100 potently regresses multiple lethal c-Myc overexpressing tumors such as acute myeloid leukemia, pancreatic, and gastric cancers with good tolerability in multiple xenograft mouse models.

References

Xu Y, et al. *Adv Sci (Weinh)*. 2022 Jan 20:e2104344.

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

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