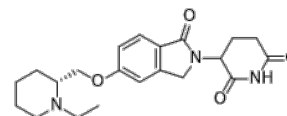


Product Name : dWIZ-2
Cat. No. : PC-22586
CAS No. : 2654011-51-3
Molecular Formula : C₂₁H₂₇N₃O₄
Molecular Weight : 385.46
Target : PROTAC
Solubility : 10 mM in DMSO



CAS: 2654011-51-3

Biological Activity

dWIZ-2 is a small molecular glue degrader of the **WIZ transcription factor** and CRBN-based small-molecule inducer of fetal hemoglobin (HbF) in erythroblasts.

dWIZ-2 increases CRBN-WIZ association.

dWIZ-2 induces HbF expression by direct binding to CRBN and subsequent recruitment and proteasomal degradation of WIZ through WIZ(ZF7).

dWIZ-2 potently degraded WIZ in primary human erythroblasts in vitro.

dWIZ-2 (10 uM) increases both the percentage of HbF-expressing cells as well as total HbF in SCD-derived erythroblasts.

dWIZ-2 (30-100 mg/kg) is well tolerated and induced HbF in humanized mice and cynomolgus monkeys.

References

PAMELA Y. TING, et al. **SCIENCE**, VOL. 385, NO. 670404 JUL 2024 : 91-99

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

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