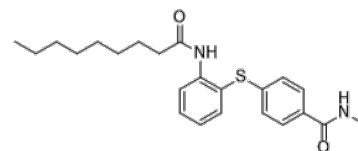


Product Name : PELI1 inhibitor BZ61
Cat. No. : PC-26726
CAS No. :
Molecular Formula : C₂₃H₃₀N₂O₂S
Molecular Weight : 398.57
Target : E3 Ubiquitin Ligase
Solubility : 10 mM in DMSO



Biological Activity

PELI1 inhibitor BZ61 is a small molecule inhibitor of **E3 ubiquitin ligase Pellino-1 (PELI1)** with SPR K_d of 1.985 uM, suppresses the proliferation of both tyrosine kinase inhibitors (TKIs)-sensitive and TKI-resistant CML cells. BZ61 treatment markedly reduced the expression of both Snail and STAT3 in K562 cells, suppressed K63-linked ubiquitination of Snail and STAT3.

BZ61 inhibited K562 cells proliferation in a dose-dependent manner with IC₅₀ of 13.6 uM.

BZ61 markedly reduced the interaction between PELI1 and BCR-ABL1 in Co-IP assays, induced a pronounced decrease in BCR-ABL1 protein levels but not mRNA levels.

BZ61 suppressed human CML burden and progression in vivo.

References

Zhou Q, et al. *Cell Death Dis.* 2026 May 5. doi: 10.1038/s41419-026-08799-7.

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

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