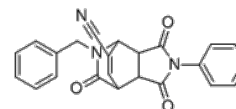


Product Name : VJDT
Cat. No. : PC-21113
CAS No. : 2765319-65-9
Molecular Formula : C₂₃H₁₇N₃O₃
Molecular Weight : 383.41
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2765319-65-9

Biological Activity

VJDT (TREM1 inhibitor) is a novel small molecule inhibitor of triggering receptor expressed on myeloid cell 1 (**TREM1**), effectively blocks TREM1 signaling.

VJDT significantly attenuates cell proliferation and migration in HepG2 and B16F10 cells.

VJDT (20 mg/kg) significantly suppresses the growth in human skin cutaneous melanoma PDX model.

VJDT inhibits many cellular proliferation and migration signaling pathways, such as the PI3K-Akt and the PI3K-Akt-mTOR focal adhesion pathways.

VJDT strongly downregulated genes associated with cell proliferation (STAT3, NFKB1, and JUN) and those associated with immune cell infiltration (CCL20, CXCL8, CXCL10, and IL1B).

VJDT downregulates key oncogenic signaling pathways involved in cell proliferation, migration, and survival in melanoma patient-derived xenograft tumors.

References

Ajith A, et al. *J Clin Invest*. 2023 Aug 31:e167951.

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

E-mail: tech@probechem.com