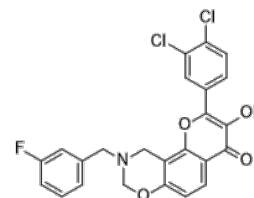


Product Name : DEPTOR-IN-1
Cat. No. : PC-27309
CAS No. : 2615911-12-9
Molecular Formula : C₂₄H₁₆Cl₂FNO₄
Molecular Weight : 472.29
Target : mTOR
Solubility : 10 mM in DMSO



CAS: 2615911-12-9

Biological Activity

DEPTOR-IN-1 (Compound C3) is a small molecule putative DEPTOR inhibitor with MST KD of 9.3 uM, exhibits antimultiple myeloma activity with IC₅₀ of 1.09 uM for RPMI 8226 cells.

DEPTOR-IN-1 induces RPMI 8226 apoptosis, and blocks cell cycle in the S phase.

DEPTOR-IN-1 displays satisfactory inhibition of tumor growth in RPMI 8226 xenografts without obvious side effects.

DEPTOR is a 48kDa protein that binds to mTOR and inhibits this kinase within mTORC1 and mTORC2 complexes.

DEPTOR inhibits mTORC1 and mTORC2 to induce autophagy.

References

Hou Y, et al. J Med Chem. 2021 Oct 28;64(20):14942-14954.

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

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