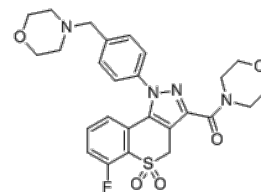


Product Name : IOA-244
Cat. No. : PC-20591
CAS No. : 1305267-37-1
Molecular Formula : C₂₆H₂₇FN₄O₅S
Molecular Weight : 526.58
Target : PI3K
Solubility : 10 mM in DMSO



CAS: 1305267-37-1

Biological Activity

IOA-244 (Roginolisib, MSC2360844) is a potent, selective and non-ATP-competitive **PI3Kδ** inhibitor with IC₅₀ of 19 nM, selective over PI3Kβ (0.43 uM), Vps34 (9 uM) and PI3Kα (10.1 uM).

IOA-244 effectively inhibits proliferation of SU-DHL-6 (PI3Kδ harboring) with a GI₅₀ of 0.24 uM.

IOA-244 limits proliferation of lymphoma cancer cells expressing high levels of PI3Kδ.

IOA-244 inhibits regulatory T cell proliferation while having limited antiproliferative effects on conventional CD4+ T cells and no effect on CD8+ T cells.

IOA-244 sensitized the tumors to anti-PD-1 treatment in CT26 colorectal and Lewis lung carcinoma lung cancer models, with similar activity in the Pan-02 pancreatic and A20 lymphoma syngeneic mouse models.

References

Haselmayer P, et al. *Front Immunol* 2014;5:233.

Johnson Z, et al. *Cancer Res Commun*. 2023 Apr 14;3(4):576-591.

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

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