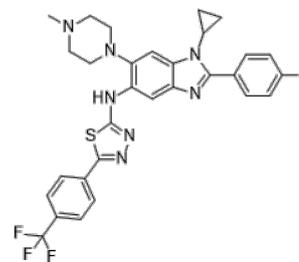


Product Name : LZJ66
Cat. No. : PC-25251
CAS No. : 2768427-54-7
Molecular Formula : C₃₀H₂₇F₄N₇S
Molecular Weight : 593.65
Target : STAT
Solubility : 10 mM in DMSO



CAS: 2768427-54-7

Biological Activity

LZJ66 (STAT3-IN-20, Compound 40) is a potent, selective STAT3 inhibitor, inhibits L-6/JAK/STAT3 signaling pathway with IC₅₀ of 0.65 μ M.

LZJ66 (STAT3-IN-20, Compound 40) has a lower IC₅₀ value of 0.65 μ M than positive control Stattic (IC₅₀ = 2.21 μ M).

LZJ66 (STAT3-IN-20, Compound 40) exhibits significant antiproliferative effect against DU145 cells with an IC₅₀ value of 2.97 μ M.

LZJ66 (STAT3-IN-20, Compound 40) directly bind and target the STAT3 protein to inhibit the function of the STAT3 SH2 domain with an intensity equivalent to that of the Stattic positive control.

References

Wang R, et al. J Med Chem. 2023 Sep 14;66(17):12373-12395.

Wang R, et al. Eur J Med Chem. 2025 Aug 5;298:118020.

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

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