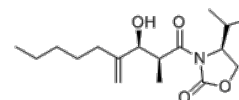


Product Name : LMT-28
Cat. No. : PC-35897
CAS No. : 1239600-18-0
Molecular Formula : C₁₇H₂₉NO₄
Molecular Weight : 311.422
Target : Interleukin Receptor
Solubility : 10 mM in DMSO



Biological Activity

LMT-28 (LMT28) is a specific blocker of **IL-6 signaling** via inhibits **IL-6R β (gp130)** with IC₅₀ of 5.9 μ M (IL-6-induced luciferase activity), selectively inhibits IL-6-induced phosphorylation of STAT3, JAK2, and gp130.

LMT-28 does not affect LIF-induced STAT3 activation and not inhibit IL-11 stimulation on HepG2 cells.

LMT-28 binds directly and specifically to gp130, and thereby inhibits the interaction of gp130 with the IL-6/IL-6R α complex.

LMT-28 inhibits IL-6-induced proliferation of the human erythroleukemic cell line TF-1 with IC₅₀ of 7.5 μ M.

LMT-28 inhibits IL-6-induced TNF- α production, ameliorates the progression of pancreatitis in mice.

References

Hong SS, et al. *J Immunol.* 2015 Jul 1;195(1):237-45.

Armstead WM, et al. *Transl Stroke Res.* 2018 Feb 23. doi: 10.1007/s12975-018-0617-z.

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

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