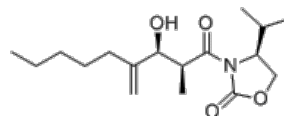


Product Name	: LMT-28
Synonyms	: C25H32F3N5O4
Cat No.	: M10966
CAS Number	: 1239600-18-0
Molecular Formula	: C17H29NO4
Formula Weight	: 311.42
Chemical Name	: (S)-3-((2S,3S)-3-hydroxy-2-methyl-4-methylenenonyl)-4-isopropylloxazolidin-2-one



Description	: 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; does not affect LIF-induced STAT3 activation and not inhibit IL-11 stimulation on HepG2 cells; binds directly and specifically to gp130, and thereby inhibits the interaction of gp130 with the IL-6/IL-6R α complex; inhibits IL-6-induced proliferation of the human erythroleukemic cell line TF-1 with IC50 of 7.5 μ M; inhibits IL-6-induced TNF- α production, ameliorates the progression of pancreatitis in mice.
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Pathway	: Apoptosis
Target	: IL Receptor
Receptor	: Interleukin Receptor
Solubility	: —
SMILES	: <chem>O=C1OC[C@H](C(C)C)N1C([C@@H](C)[C@H](O)C(CCCCC)=C)=O</chem>
Storage	: (-20°C)
Stability	: $\geq$ 2 years
Reference	:

1. Hong SS, et al. J Immunol. 2015 Jul 1;195(1):237-45. | 2. Amststead WM, et al. Transl Stroke Res. 2018 Feb 23. doi: 10.1007/s12975-018-0617-z.