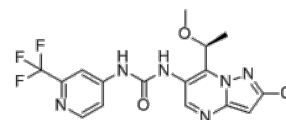


Product Name : MLT-943
Cat. No. : PC-49483
CAS No. : 1832576-04-1
Molecular Formula : C₁₆H₁₄ClF₃N₆O₂
Molecular Weight : 414.773
Target : MALT1
Solubility : 10 mM in DMSO



Biological Activity

MLT-943 is a potent and selective **MALT1** protease inhibitor with IC₅₀ of 40 nM in IL-2 reporter gene assay (Jurkat T cells), inhibits human PBMC IL-2 release with IC₅₀ of 74 nM.

MLT-943 displayed high selectivity against a range of proteases and other selected off-target panels.

MLT-943 (10 mg/kg QD p.o.) in the rat collagen-induced arthritis model suppressed anti-collagen antibody production, reduced Tregs in rat and mouse.

References

Patent WO2015/181747.

Kea Martin, et al. *Front Immunol.* 2020 Apr 30;11:745.

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

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