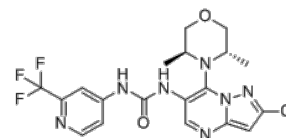


Product Name : MLT-231
Cat. No. : PC-49480
CAS No. : 2682102-10-7
Molecular Formula : C₁₉H₁₉ClF₃N₇O₂
Molecular Weight : 469.853
Target : MALT1
Solubility : 10 mM in DMSO



Biological Activity

MLT-231 (MLT231) is a highly potent, selective, allosteric **MALT1** inhibitor with biochemical IC₅₀ of 9 nM, inhibits MALT1 cleavage of the BCL10 substrate with IC₅₀ of 0.16 μM.

MLT-231 exhibited high MALT1 selectivity over other proteases.

MLT-231 inhibited cellular proliferation (low micromolar range) and cleavage of MALT1 substrates in ABC-DLBCL.

MLT-231 (100 mg/kg) dose-dependently reduced the anti-DNP IgM and IgG responses induced by 2,4-dinitrophenol (DNP) in mice, blocked T cell-dependent B cell responses.

MLT-231 (100 mg/kg, oral bid schedule for 2 weeks) exhibited antitumor efficacy in OCI-Ly10 ABC-DLBCL type xenograft models.

References

Carole Pissot Soldermann, et al. *J Med Chem*. 2020 Dec 10;63(23):14576-14593.

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

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