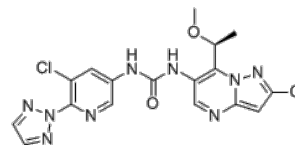


Product Name : MLT-985
Cat. No. : PC-49482
CAS No. : 1832576-25-6
Molecular Formula : C₁₇H₁₅Cl₂N₉O₂
Molecular Weight : 448.27
Target : MALT1
Solubility : 10 mM in DMSO



Biological Activity

MLT-985 (MLT985) is a potent, highly selective allosteric **MALT1** inhibitor with biochemical IC₅₀ of 3 nM, and 20 nM in IL-2 reporter gene assay (Jurkat T cells).

MLT-985 showed excellent selectivity against a panel of 23 human proteases (all IC₅₀>10 μM), including cysteine proteases such as Caspase 3 and Cathepsin B, C, K, L and S.

MLT-985 inhibits human PBMC IL-2 release with IC₅₀ of 0.5 μM.

MLT-985 demonstrated activity in cellular ABC-DLBCL models that is consistent with potent and selective inhibition of MALT1, suppresses growth and aberrant CARD11/BCL10/MALT1 complex signaling in ABC-DLBCL cells.

MLT-985 demonstrated tumor regression in the CARD11-mutant ABC-DLBCL xenograft model OCILy3.

References

Jean Quancard, et al. *J Med Chem.* 2020 Dec 10;63(23):14594-14608.

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

E-mail: tech@probechem.com