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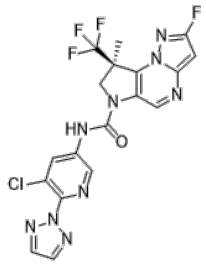
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SGR-1505
Cat. No.	:	PC-25809
CAS No.	:	2661481-41-8
Molecular Formula	:	$C_{18}H_{12}ClF_4N_9O$
Molecular Weight	:	481.80
Target	:	MALT1
Solubility	:	10 mM in DMSO



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Biological Activity

SGR-1505 (SGR1505) is a highly potent, allosteric **MALT1** (paracaspase 1, PCASP1) inhibitor with biochemical IC50 of 1.3 nM.
SGR-1505 shows excellent selectivity against a panel of 17 human proteases (all IC50 values >10 μM).
SGR-1505 also demonstrats high selectivity against a kinase profiling panel of 468 human kinases and disease-relevant mutant variants.
SGR-1505 shows high cellular potency in BCL10 cleavage, IL-10 secretion, and cell viability assays using ABC-DLBCL cell lines OCI-LY3 and OCI-LY10 (IC50=10-120 nM).
SGR-1505 inhibits luciferase activity of the NF-κB reporter in Jurkat cells with IC5 of 36 nM.
SGR-1505 displays potent IL-2 inhibition with an IC50 of 18 nM in activated T-cell cytokine secretion assays in human peripheral blood mononuclear cells (PBMCs).
SGR-1505 at 75 mg/kg (three times daily, TID) suppressed tumor growth in a dose-dependent manner in OCI-LY3 xenograft model.

References

Nie Z, et al. ***J Med Chem.*** 2025 Nov 27;68(22):23977-23992.

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

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