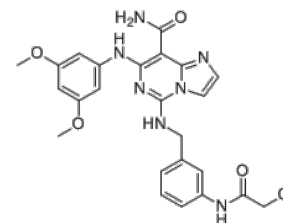


Product Name : RDN009
Cat. No. : PC-72472
CAS No. : 2839429-24-0
Molecular Formula : C₂₄H₂₄ClN₇O₄
Molecular Weight : 509.951
Target : Syk
Solubility : 10 mM in DMSO



Biological Activity

RDN009 (RDN-009) is a potent, selective, and covalent **ZAP-70** kinase inhibitor with IC₅₀ of 55 nM. RDN009 showed good selectivity for ZAP-70 over structurally related Syk (IC₅₀>1,000 nM). RDN009 displayed potent inhibitory effects on T cell proliferation, activation, and inflammatory cytokine production. RDN009 demonstrated covalent linkage to ZAP-70 protein at C346. RDN009 is a potent and selective probe of ZAP-70 for further development for treatment of autoimmune diseases.

References

Danni Rao, et al. *Eur J Med Chem.* 2021 Jul 5;219:113393.

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

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