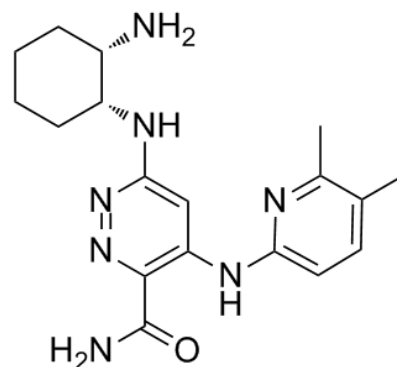


Product Name : RO9021
Cat. No. : PC-45082
CAS No. : 1446790-62-0
Molecular Formula : C₁₈H₂₅N₇O
Molecular Weight : 355.4374
Target : Syk
Solubility : DMSO: < 3.6 mg/mL



Biological Activity

RO9021 is an orally bioavailable, ATP-competitive, highly selective inhibitor of **Syk** kinase with IC₅₀ of 5.6 nM.

RO9021 suppresses BCR signaling in hPBMC and FcγR signaling in human monocytes.

RO9021 blocks osteoclastogenesis from mouse bone marrow macrophages in vitro, also inhibits TLR9 signaling in human Bcells.

RO9021 also potently inhibits type I interferon production by human plasmacytoid dendritic cells (pDC) upon TLR9 activation, inhibits arthritis progression in the mCIA model.

References

Liao C, et al. *Arthritis Res Ther*. 2013 Oct 4;15(5):R146.

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

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