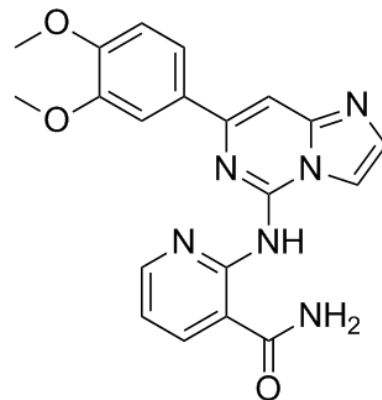


Product Name : BAY 61-3606
Cat. No. : PC-45970
CAS No. : 732983-37-8
Molecular Formula : C₂₀H₁₈N₆O₃
Molecular Weight : 390.3953
Target : Syk
Solubility : 10 mM in DMSO



Biological Activity

BAY 61-3606 is a potent, ATP-competitive, reversible, and highly selective inhibitor of **Syk** tyrosine kinase with K_i of 7.5 nM, displays no inhibitory effect against Btk, Fyn, Itk, Lyn, and Src.

BAY 61-3606 inhibits not only degranulation (IC_{50} =5-46 nM) but also lipid mediator and cytokine synthesis in mast cells.

BAY 61-3606 suppresses B cell receptor activation and receptors for Fc portion of IgG signaling in eosinophils and monocytes.

BAY 61-3606 suppresses antigen-induced passive cutaneous anaphylactic reaction, bronchoconstriction, and bronchial edema at 3 mg/kg in rats; orally bioavailable.

References

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Tabeling C, et al. Allergy. 2017 Jul;72(7):1061-1072.

Perova T, et al. Sci Transl Med. 2014 May 14;6(236):236ra62.

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

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