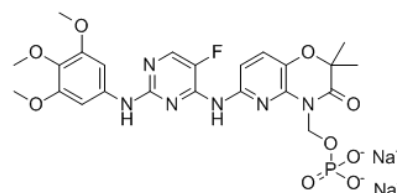


**Product Name** : R788 disodium salt  
**Cat. No.** : PC-43348  
**CAS No.** : 1025687-58-4  
**Molecular Formula** : C<sub>23</sub>H<sub>24</sub>FN<sub>6</sub>Na<sub>2</sub>O<sub>9</sub>P  
**Molecular Weight** : 624.4232  
**Target** : Syk  
**Solubility** : 10 mM in DMSO



## Biological Activity

Fostamatinib (R788 disodium salt) is a prodrug of the active metabolite R406, which is a potent, ATP-competitive inhibitor of **Syk kinase** with  $K_i/IC_{50}$  of 30/41 nM.

Fostamatinib dose-dependently inhibits anti-IgE-mediated CHMC degranulation with an  $EC_{50}$  of 56 nM, inhibits all phosphorylation events downstream of Syk signaling; specifically inhibits FcγR signaling in human mast cells, macrophages, and neutrophils.

R788 can inhibit local inflammatory injury mediated by immune complexes; reduces immune complex-mediated inflammation in arthritis models.

## References

Braselmann S, et al. J Pharmacol Exp Ther. 2006 Dec;319(3):998-1008.

Chen L, et al. Blood. 2008 Feb 15;111(4):2230-7.

Suljagic M, et al. Blood. 2010 Dec 2;116(23):4894-905.

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

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