

## Product Information

### Syk inhibitor R935788, Purity $\geq 98\%$

**Cat. No.:** X24-06-ZQ521

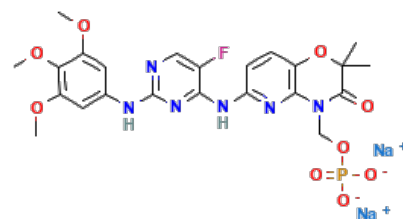
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 1025687-58-4

**Compound CID:** 25008120

**Synonym:** 1025687-58-4; Syk inhibitor; R-935788; Fostamatinib disodium; R788

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	R935788, soluble in warmed DMSO and insoluble in water and ethanol, blocks the activity of spleen tyrosine kinase (Syk), a key protein involved in the signaling pathways of various immune cells and implicated in the pathogenesis of autoimmune diseases and certain cancers. It targets Syk.
<b>Molecular Weight</b>	624.4
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>24</sub> FN <sub>6</sub> O <sub>9</sub> P.2Na
<b>Targets</b>	Syk: 41 nM
<b>IUPAC Name</b>	Disodium;[6-[[[5-fluoro-2-(3,4,5-trimethoxyanilino)pyrimidin-4-yl]amino]-2,2-dimethyl-3-oxopyrido[3,2-b][1,4]oxazin-4-yl]methyl phosphate
<b>InChI</b>	InChI=1S/C23H24FN6O9P.2Na/c1-23(2)21(31)30(11-38-40(32,33)34)20-14(39-23)6-7-17(28-20)27-19-13(24)10-25-22(29-19)26-12-8-15(35-3)18(37-5)16(9-12)36-4;;/h6-10H,11H2,1-5H3,(H2,32,33,34)(H2,25,26,27,28,29);;/q;2*+1/p-2
<b>InChI Key</b>	HSYBQXDGYCYSGA-UHFFFAOYSA-L
<b>Canonical SMILES</b>	CC1(C(=O)N(C2=C(O1)C=CC(=N2)NC3=NC(=NC=C3F)NC4=CC(=C(C(=C4)OC)OC)OC)COP(=O)([O-])[O-])C.[Na+].[Na+]
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	Warmed DMSO: 5 mg/mL (8 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade



**Applications**

R935788 inhibits tumor growth in the mouse model by blocking antigen-dependent B-cell receptor signaling.

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**Storage**

Store at -20°C, and keep desiccated.

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