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# Syk Inhibitor HMPL-523

National Cancer Institute

## Source

National Cancer Institute. *Syk Inhibitor HMPL-523*. NCI Thesaurus. Code C123912.

An orally available inhibitor of spleen tyrosine kinase (Syk), with potential immunomodulating and antineoplastic activities. Upon oral administration of Syk inhibitor HMPL-523, this agent binds to and inhibits the activity of Syk. This inhibits B-cell receptor (BCR) signaling, which leads to the inhibition of B-cell activation, and prevents tumor cell activation, migration, adhesion and proliferation. Syk, a non-receptor cytoplasmic, BCR-associated tyrosine kinase, is expressed in hematopoietic tissues and is often overexpressed in hematopoietic malignancies; it plays a key role in B-cell receptor signaling.