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Spleen Tyrosine Kinase Inhibitor TAK-659

National Cancer Institute

Source

National Cancer Institute. *Spleen Tyrosine Kinase Inhibitor TAK-659*. NCI Thesaurus. Code C113162.

An inhibitor of spleen tyrosine kinase (syk), with potential anti-inflammatory, immunomodulating, and antineoplastic activities. Spleen tyrosine kinase inhibitor TAK-659 may inhibit the activity of syk, which abrogates downstream B-cell receptor (BCR) signaling and leads to an inhibition of B-cell activation, chemotaxis, adhesion and proliferation. Syk, a BCR-associated non-receptor tyrosine kinase that mediates diverse cellular responses, including proliferation, differentiation, and phagocytosis, is expressed in hematopoietic tissues and is often overexpressed in hematopoietic malignancies.