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Fostamatinib

National Cancer Institute

Source

National Cancer Institute. *Fostamatinib*. NCI Thesaurus. Code C95222.

A small molecule Syk kinase inhibitor with potential anti-inflammatory and immunomodulating activities. Fostamatinib inhibits Syk kinase-mediated IgG Fc gamma receptor signaling, resulting in inhibition of the activation of mast cells, macrophages, and B-cells and related inflammatory responses and tissue damage. Syk kinase, widely expressed in hematopoietic cells, is a nonreceptor tyrosine kinase that is involved in coupling activated immunoreceptors to signal downstream events that mediate diverse cellular responses, including proliferation, differentiation, and phagocytosis.