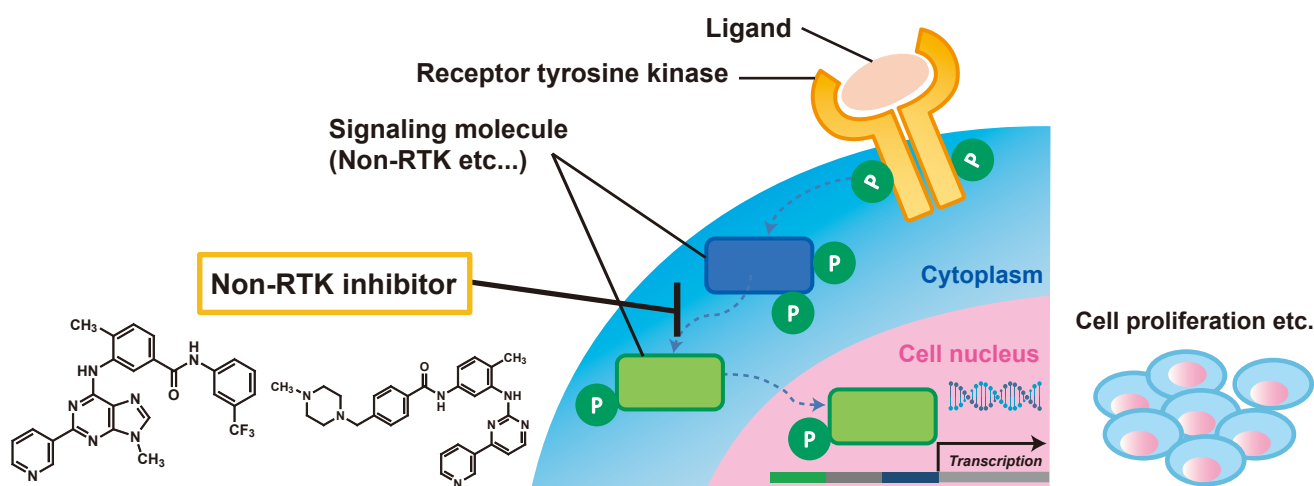


Non-Receptor Tyrosine Kinase (Non-RTK) Inhibitors

Non-RTKs are cytosolic TK enzymes that doesn't have a transmembrane domain. Non-RTK's activity is regulated by other factors on cell surface or in the cytoplasm and it transmits signals. Human non-RTK family includes ABL, ACK, CSK, FAK, FES, FRK, JAK, SRC, TEC and SYK. Mutations in a gene for non-RTKs (including BCR-ABL) can result in an aberrant activity of this enzyme; pathologically increased activity of non-RTK may be responsible for growth of malignances, the induction of drug-resistance, and formation of metastasis. Non-RTKs are regarded as important targets in development of anti-tumor agents.



SRC family kinase inhibitors

SRC family kinase (SFK) containing c-Scr, Blk, Fgr, Hc., Lck, Lyk and so on is one of very important protein group in cancer research. And it is a target of diabetic research because it deeply participates in such processes as secretion of insulin, insulin-resistance and metabolism of glucose. Furthermore, it has been also a object of study in inflammatory research.

NVP-BHG 712

10mg / 50mg [N1099]

WHI-P154

10mg / 50mg [W0013]

JAK family kinase inhibitors

JAK (Janus Kinase) family consists of JAK1, JAK2, JAK3 and TYK2. It has a key role on JAK-STAT (Janus kinase-signal transducer and of transcription) pathway, and immunosuppression research has been done by inhibiting it since it participates in regulation of immune response.

1,2,3,4,5,6-Hexabromocyclohexane

1g / 5g [H0368]

Tyrphostin AG 490

20mg / 100mg / 1g [T2962]

WHI-P154

10mg / 50mg [W0013]

Non-Receptor Tyrosine Kinase (Non-RTK) Inhibitors

ABL family kinase inhibitors

ABL kinase (Abelson tyrosine-protein kinase) family includes ABL1 and ARG (ABL2). ABL is said to be deeply involved in chronic myelocytic leukemia (CML) through becoming BCR-ABL fusion gene due to genetic abnormality caused by chromosomal translocation. Imatinib Mesylate [I0936], which inhibits tyrosine kinase activity of BCR-ABL protein has been used as therapeutic agent for CML).

Imatinib	100mg / 1g [I0906]
Imatinib Mesylate	100mg / 1g [I0936]
NVP-BHG 712	10mg / 50mg [N1099]
WHI-P154	10mg / 50mg [W0013]

TEC family kinase inhibitors

TEC family kinase includes BTK, BMX, ITK, TEC and TXK. It abounds in blood-forming tissues and it plays a sufficient role in activation of T cell and development / activation of B cell. BTK is especially necessary for development of B cell, so it has been watched as a target of malignant lymphoma therapeutic agent and anti-inflammatory agent.

CGI 1746	10mg / 50mg [C3586]
LFM-A13	10mg / 50mg [L0309]
PCI 29732	10mg / 50mg [P2687]

SYK family kinase inhibitors

SYK (Spleen Tyrosine Kinase) highly expresses in blood immune cells and bone marrow cells and it has been studied for relation with cancer, autoimmune disease and infection disease.

Piceatannol	100mg / 1g [P1928]
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For further information please refer to our website at www.TCIchemicals.com.

kinase



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