

Thrombopoietin



PLAY PICMONIC

Mechanism

Increases Megakaryocyte Proliferation

[Up-arrow](#) [Mega-carrot](#)

Thrombopoietin stimulates thrombocyte production by inducing the proliferation of progenitor cells.

Indication

Autoimmune Thrombocytopenia

[Auto-in-moon](#) [Trombone-side-toe-peanut](#)

Thrombopoietin is indicated for autoimmune thrombocytopenia and is primarily used in adults with the disorder for ≥ 3 months who are corticosteroid-dependent or unresponsive to corticosteroids. It also can be used in other situations, including chemotherapy-induced thrombocytopenia, myelodysplastic syndrome (MDS), and chronic liver disease.

Drugs

Romiplostim

[Rome](#)

Romiplostim is a thrombopoietin receptor agonist which is indicated for chronic ITP (immune thrombocytopenic purpura). It is not indicated for the treatment of thrombocytopenia caused by myelodysplastic syndrome or any cause other than chronic ITP.

Eltrombopag

[Elephant-trombone](#)

Eltrombopag A is a thrombopoietin receptor agonist used to treat thrombocytopenia in patients with chronic ITP who have had an inadequate response to corticosteroids, immunoglobulins, or splenectomy.