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Tranexamic Acid

National Cancer Institute

Source

National Cancer Institute. *Tranexamic Acid*. NCI Thesaurus. Code C47765.

A synthetic derivative of the amino acid lysine with antifibrinolytic activity. With strong affinity for the five lysine-binding sites of plasminogen, tranexamic acid competitively inhibits the activation of plasminogen to plasmin, resulting in inhibition of fibrinolysis; at higher concentrations, this agent noncompetitively inhibits plasmin. This agent has a longer half-life, is approximately ten times more potent, and is less toxic than aminocaproic acid, which possesses similar mechanisms of action.