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Recombinant Prothymosin Alpha

National Cancer Institute

Source

National Cancer Institute. *Recombinant Prothymosin Alpha*. NCI Thesaurus. Code C1203.

A recombinant form of the endogenous polypeptide hormone that exerts immunomodulatory effects primarily on mononuclear cells. Prothymosin alpha stimulates the production of various cytokines including granulocyte/macrophage colony stimulating factor (GM-CSF) alpha, gamma interferon (IFN) and interleukins such as IL-2. This agent may also increase some tumor antigens expression, thus inducing better T lymphocyte responses to tumor cells. Combined with chemotherapy, prothymosin alpha may exhibit significant anti-tumor effects. This agent also helps to regenerate lymph node and bone marrow cells after treatment with certain toxic chemotherapeutics. (NCI04)