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# Pegfilgrastim Anti-neutropenic Factor

National Cancer Institute

## Source

National Cancer Institute. *Pegfilgrastim Anti-neutropenic Factor*. NCI Thesaurus. Code C123927.

A long-acting, engineered and pegylated version of human granulocyte-colony stimulating factor (G-CSF), with potential hematopoietic activity. Similar to G-CSF, pegfilgrastim anti-neutropenic factor (ANF) binds to and activates specific cell surface receptors, and stimulates neutrophil progenitor proliferation and differentiation. Therefore, this agent may prevent the duration and incidence of chemotherapy-induced neutropenia. Compared to filgrastim, the conjugation with a branched polyethylene glycol molecule reduces renal clearance and increases its plasma half-life.