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Glycosylated Recombinant Human G-CSF AVI-014

National Cancer Institute

Source

National Cancer Institute. *Glycosylated Recombinant Human G-CSF AVI-014*. NCI Thesaurus. Code C74520.

A glycosylated form of a recombinant agent that is chemically identical to or similar to endogenous human granulocyte colony-stimulating factor (G-CSF) and is produced using transgenic biotechnology. Transgenic hens carrying recombinant human G-CSF cDNA express the naturally glycosylated recombinant human protein in egg albumen from which glycosylated recombinant human G-CSF AVI-014 is isolated. Produced endogenously by monocytes, fibroblasts, and endothelial cells, G-CSF binds to and activates specific cell surface receptors, stimulating neutrophil progenitor proliferation and differentiation and selected neutrophil functions.