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PGG Beta-Glucan

National Cancer Institute

Source

National Cancer Institute. *PGG Beta-Glucan*. NCI Thesaurus. Code C78463.

An injectable formulation of the polysaccharide beta 1,3/1,6 glucan derived from the cell wall of the yeast *Saccharomyces cerevisiae* with potential immunomodulating and antineoplastic activities. PGG beta-glucan binds to an alternate site on the neutrophil complement receptor 3 (CR3), priming the neutrophil to become cytotoxic when binding to complement on tumor cells via CR3. This agent has been reported to selectively activate immune cells without inducing pro-inflammatory cytokines, potentially reducing potential side effects observed with the induction of broad innate immune responses. In addition, PGG beta-glucan may induce hematopoietic progenitor cell (HPC) mobilization.