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# Tovetumab

National Cancer Institute

## Source

National Cancer Institute. *Tovetumab*. NCI Thesaurus. Code C82684.

A humanized monoclonal antibody directed against the platelet-derived growth factor receptor (PDGFR) alpha with potential antineoplastic activity. Tovetumab inhibits activation of the cell-surface tyrosine kinase PDGFR alpha subunit and subsequent triggering of mitogenic signaling pathways, including the JAK/STAT, PI3K/Akt, and MAP kinase pathways. PDGFR alpha acts as a mitogenic signaling receptor for cells of mesenchymal origin and inhibition of receptor activity may inhibit tumor cell proliferation.