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Alpha V Beta 1 Inhibitor ATN-161

National Cancer Institute

Source

National Cancer Institute. *Alpha V Beta 1 Inhibitor ATN-161*. NCI Thesaurus. Code C52185.

A small peptide antagonist of integrin alpha5beta1 with potential antineoplastic activity. ATN-161 selectively binds to and blocks the receptor for integrin alpha5beta1, thereby preventing integrin alpha5beta1 binding. This receptor blockade may result in inhibition of endothelial cell-cell interactions, endothelial cell-matrix interactions, angiogenesis, and tumor progression. Integrin alpha5beta1 is expressed on endothelial cells and plays a crucial role in endothelial cell adhesion and migration.