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Anti-VEGF/ANG2 Nanobody BI 836880

National Cancer Institute

Source

National Cancer Institute. *Anti-VEGF/ANG2 Nanobody BI 836880*. NCI Thesaurus. Code C126644.

A nanobody directed against angiopoietin-2 (Ang2; ANGPT2)- and vascular endothelial growth factor (VEGF)-derived peptides, with potential antiangiogenic and antineoplastic activities. Anti-VEGF/ANG2 nanobody BI 836880 binds to Ang2 and VEGF and inhibits receptor binding; this prevents Ang2- and VEGF-mediated signaling and inhibits both tumor angiogenesis and tumor cell proliferation. Both VEGF and Ang2 are upregulated in a variety of cancer cell types and play a crucial role in angiogenesis. The nanobody is based on functional fragments of single-chain antibodies.