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Nintedanib Esylate

National Cancer Institute

Source

National Cancer Institute. *Nintedanib Esylate*. NCI Thesaurus. Code C154570.

A 28-mer RNA aptamer covalently linked to two branched 20-kD polyethylene glycol (PEG) chains, with anti-angiogenic activity. Pegaptanib binds and blocks the activity of the extracellular vascular endothelial growth factor, specifically the 165-amino acid isoform (VEGF165). This prevents VEGF165 from binding to VEGF receptors, thereby blocking angiogenesis as well as preventing VEGF165-induced increases in vessel permeability. VEGF165 is preferentially involved in pathological ocular neovascularisation.