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(54) **Title**: DLL4-BINDING MOLECULES

(57) **Abstract**: DII4-binding molecules, preferably DII4-binding immunoglobulin single variable domains like VHHs and VHs, pharmaceutical compositions containing same and their use in the treatment of diseases that are associated with DII4-mediated effects on angiogenesis. Bispecific DII4-binding molecules that also bind to VEGF-A. Nucleic acids encoding DII4-binding molecules, host cells and methods for preparing same.