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(54) Title: INHIBITORS OF COMPLEMENT ACTIVATION

(57) Abstract

The invention relates to factor D inhibitors, which bind to factor D and block the functional activity of factor D in complement activation. The inhibitors include antibody molecules, as well as homologues, analogues and modified or derived forms thereof, including immunoglobulin fragments like Fab, $(Fab')_2$ and Fv, small molecules, including peptides, oligonucleotides, peptidomimetics and organic compounds. A monoclonal antibody which bound to factor D and blocked its ability to activate complement was generated and designated 166–32. The hybridoma producing this antibody was deposited at the American Type Culture Collection, 10801 University Blvd., Manassas, VA 20110–2209, under Accession Number HB–12476.