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(54) Title: TRANSMEMBRANE PEPTIDIC ANTAGONISTS OF PLEXIN-A1 AND THEIR THERAPEUTIC USES

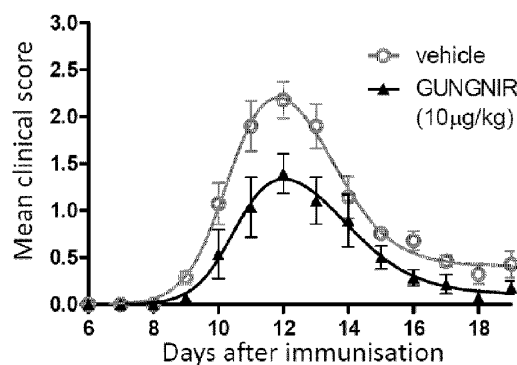


FIG. 4A

(57) Abstract: The present application relates to peptides derived from the transmembrane domain of Plexin-A1 that inhibits Neuropilin-1/Plexin-A1 heterodimerization. These peptides neutralize the inhibitory effect of Sema3A on cell migration and angiogenesis, and may be useful for the treatment of diseases associated with Sema3A and/or Neuropilin-1/Plexin-A1 activity, such as demyelinating diseases and diseases associated with abnormal angiogenesis such as cancer.

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