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(54) Title: COMPOSITIONS AND METHODS FOR TREATING ISCHEMIC CONDITIONS

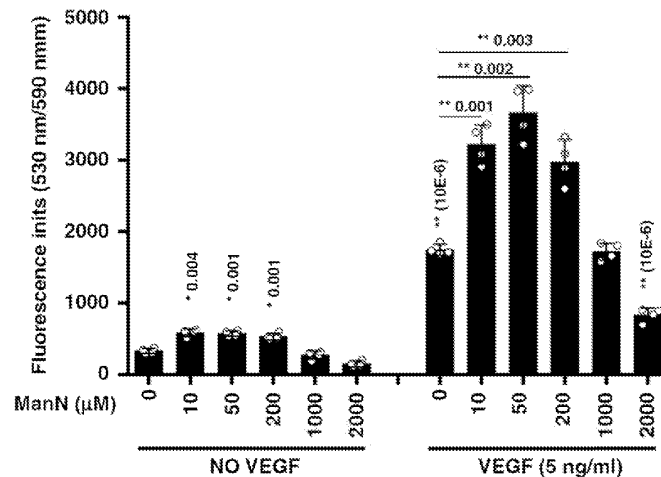


FIG. 1B

(57) Abstract: Compositions for treating an ischemic condition in a subject may include hexosamine D-mannosamine (ManN). Methods may include administering to the subject in need thereof an effective amount of ManN. The administration may be effective to promote endothelial cell proliferation and angiogenesis in the subject. The subject may be in need of induced angiogenesis due to an ischemic condition caused by disease or trauma. Compositions for inhibiting protein glycosylation in a cell may include ManN. Methods for inhibiting protein glycosylation in a cell may include administering to the cell an effective amount of ManN.

[Continued on next page]

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