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(71) Applicant *(for all designated States except US)*: **BIOMARCK PHARMACEUTICALS, LTD.** [US/US]; 7200 Falls of Neuse Road, Suite 202, Raleigh, North Carolina 27615 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **PARIKH, Indu** [US/US]; 2558 Booker Creek Road, Chapel Hill, North Carolina 27514 (US).

(74) Agents: **HULEATT, Jayme A.** et al.; Cooley Godward Kronish LLP, Attn: Patent Group, 1200 19th Street, N.W., Suite 500, Washington, District Of Columbia 20036 (US).

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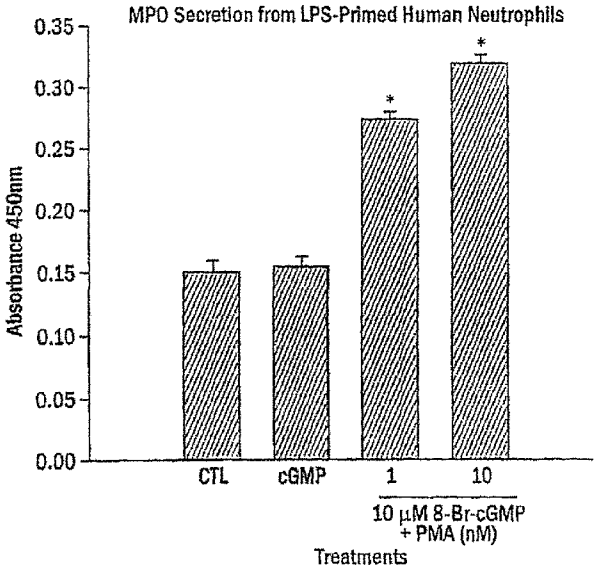

(57) Abstract: The present invention includes methods of inhibiting or suppressing cellular secretory processes. More specifically the present invention relates to inhibiting or reducing the release of inflammatory mediators from inflammatory cells by inhibiting the mechanism associated with the release of inflammatory mediators from granules in inflammatory cells. In this regard, the present invention discloses an intracellular signaling mechanism that illustrates several novel intracellular targets for pharmacological intervention in disorders involving secretion of inflammatory mediators from vesicles in inflammatory cells. Peptide fragments and variants thereof of MANS peptide as disclosed in the present invention are useful in such methods.

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