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(71) Applicant *(for all designated States except US)*: **NEOSE TECHNOLOGIES, INC.** [US/US]; 102 Witmer Road, Horsham, Pennsylvania 19044 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **DEFREES, Shawn** [US/US]; 126 Filly Drive, North Wales, Pennsylvania 19454 (US). **CLAUSEN, Henrik** [DK/DK]; Soebrinken 6, DK-2840 Holte (DK). **ZOPF, David, A.** [US/US]; 560 Beechtree Lane, Wayne, Pennsylvania 19087 (US). **BOWE, Caryn** [US/US]; 276 Cherry Lane, Doylestown, Pennsylvania 19044 (US). **TAUDTE, Susann** [DE/US]; 3374 East Buck Road, Pennsburg, Pennsylvania 19454 (US). **FELO, Michael** [US/US]; 1110 Garfield Avenue, Havertown, Pennsylvania 19083 (US). **WILLETT, Walter, S.** [US/US]; 3820 Comley Circle, Doylestown, Pennsylvania 18901 (US).

(74) Agents: **MANN, Jeffry, S.** et al.; Morgan Lewis & Bockius LLP, 2 Palo Alto Square, Suite 700, 3000 El Camino Real, Palo Alto, CA 94304 (US).

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(54) Title: GLYCOPEGYLATED GRANULOCYTE COLONY STIMULATING FACTOR

(57) Abstract: The present invention provides conjugates between Granulocyte Colony Stimulating Factor and PEG moieties. The conjugates are linked via an intact glycosyl linking group that is interposed between and covalently attached to the peptide and the modifying group. The conjugates are formed from both glycosylated and unglycosylated peptides by the action of a glycosyltransferase. The glycosyltransferase ligates a modified sugar moiety onto either an amino acid or glycosyl residue on the peptide. Also provided are pharmaceutical formulations including the conjugates. Methods for preparing the conjugates are also within the scope of the invention.

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