

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/039597 A2

(51) International Patent Classification⁷: **A61K 31/70**,
31/732, A61P 37/00

(74) Agent: **VAN WESTENBRUGGE, Andries**; Nederland-
sch Octrooibureau, Scheveningsweg 82, P.O. Box 29720,
NL-2502 LS The Hague (NL).

(21) International Application Number:
PCT/NL2004/000750

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(22) International Filing Date: 25 October 2004 (25.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03078375.5 24 October 2003 (24.10.2003) EP
04076877.2 25 June 2004 (25.06.2004) EP

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **N.V.
NUTRICIA** [NL/NL]; Eerste Stationsstraat 186, NL-2712
HM Zoetermeer (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **STAHL, Bernd**
[DE/DE]; Breslauer Strasse 77, 61191 Rosbach (DE).
M'RABET, Laura [NL/NL]; Gele plomp 38, NL-3824
WK Amersfoort (NL). **VOS, Arjan, Paul** [NL/NL];
Mennonietenweg 63, NL-6702 AC Wageningen (NL).
GARSSEN, Johan [NL/NL]; Graaf Johanlaan 7, NL-3434
SG Nieuwegein (NL). **BOEHM, Günther** [DE/DE];
Haselheckstrasse 1, 61209 Echzell (DE).

Published:

— *without international search report and to be republished
upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: IMMUNEMODULATING OLIGOSACCHARIDES

(57) Abstract: The present invention relates to a method for enhancing the immune system and the treatment and/or prevention of immune system related disorders in a mammal, particularly newborns, said method comprising the administration of acid oligosaccharide and neutral oligosaccharide. Food compositions suitable for use in the above method are also provided.



WO 2005/039597 A2