

RTMP'S

copy

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ :
C07F 7/18, C07D 499/12, 501/06

A1

(11) International Publication Number:

WO 96/16067

(43) International Publication Date:

30 May 1996 (30.05.96)

(21) International Application Number: PCT/EP95/04562

(22) International Filing Date: 20 November 1995 (20.11.95)

(30) Priority Data:
9423459.8 21 November 1994 (21.11.94) GB(71) Applicant (for all designated States except US): BIOCHEMIE
GESELLSCHAFT M.B.H. [AT/AT]; A-6250 Kundl (AT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CENTELLAS, Victor
[ES/ES]; Cami Ral 461, 1^a 1^a, E-08302 Mataro (ES). DI-
AGO, Jose [ES/ES]; Josep Carner 43, 5-A, E-08400 Gra-
nollers (ES). LUDESCHER, Johannes [AT/AT]; Kleinsöckl
101, A-6252 Breitenbach (AT).(74) Agents: WYMANN, Gerard et al.; Sandoz Technology Ltd.,
Patents & Trademarks Div., Lichtstrasse 35, CH-4002 Basle
(CH).(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH,
CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE,
KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN,
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, ~~SG~~ SI, SK,
TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT,
BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,
ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW,
SD, SZ, UG).

Published

With international search report.

(54) Title: Silylation Process

(57) Abstract

A process for the silylation of 6-aminopenicillanic acid or 7-amino-desacetoxy-cephalosporanic acid by silylation in certain carboxylic acid esters and its use in the production of 6-alpha-aminoacyl-penicillins and 7-alpha-aminoacyl-desacetoxy-cephalosporins.