

Title (en)  
PROCESS FOR PREPARING 3-ACYLESTRATRIENES AND ACYLBENZENES.

Publication  
**EP 0621866 A4 19960320 (EN)**

Application  
**EP 93902956 A 19930106**

Priority  
• US 81718092 A 19920106  
• US 9300078 W 19930106

Abstract (en)  
[origin: WO9314107A1] Invented is an improved process for the preparation of benzo esters and benzo acids. Also invented are novel intermediates used in said process.

IPC 1-7  
**C07J 75/00**; **C07J 3/00**; **C07J 43/00**; **C07F 9/141**; **C07C 51/10**

IPC 8 full level  
**C07C 51/00** (2006.01); **C07J 1/00** (2006.01); **C07J 3/00** (2006.01); **C07J 31/00** (2006.01); **C07J 41/00** (2006.01); **C07J 51/00** (2006.01); **C07J 75/00** (2006.01)

IPC 8 main group level  
**A61K 31/00** (2006.01)

CPC (source: EP KR)  
**C07C 51/00** (2013.01 - EP); **C07J 3/005** (2013.01 - EP); **C07J 31/006** (2013.01 - EP); **C07J 41/0072** (2013.01 - EP); **C07J 41/0094** (2013.01 - EP); **C07J 51/00** (2013.01 - EP); **H10N 30/20** (2023.02 - KR)

Citation (search report)  
• [X] D. A. HOLT ET AL: "Synthesis of a steroidal A ring aromatic sulfonic acid as inhibitor of steroid 5alpha-reductase.", STEROIDS: STRUCTURE, FUNCTION, AND REGULATION, vol. 56, MA US, pages 4 - 7, XP023431215, DOI: doi:10.1016/0039-128X(91)90106-6  
• [A] M. A. LEVY ET AL.: "3-Phosphinic acid and 3-phosphonic acid steroids as inhibitors of steroid 5alpha-reductase: species comparison and mechanistic studies.", BIOORGANIC CHEMISTRY, vol. 19, no. 3, pages 245 - 260, XP024022783, DOI: doi:10.1016/0045-2068(91)90050-Y  
• [A] D. A. HOLT ET AL: "Steroidal A ring aryl carboxylic acids: anew class of steroid 5alpha-reductase inhibitors.", JOURNAL OF MEDICINAL CHEMISTRY, vol. 33, no. 3, WASHINGTON US, pages 937 - 942  
• See references of WO 9314107A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9314107 A1 19930722**; AP 361 A 19940909; AP 9300474 A0 19930131; AU 3434793 A 19930803; BG 98888 A 19950531; BR 9305707 A 19961231; CA 2127274 A1 19930722; CN 1077200 A 19931013; EP 0621866 A1 19941102; EP 0621866 A4 19960320; FI 943213 A0 19940705; FI 943213 A 19940705; HU 9402029 D0 19940928; HU T67566 A 19950428; IL 104303 A0 19930513; JP H07503008 A 19950330; KR 940704064 A 19941212; MA 22762 A1 19931001; MX 9300026 A 19931201; NO 942531 D0 19940705; NO 942531 L 19940705; OA 09959 A 19951211; RU 94037761 A 19970527; SI 9300005 A 19930930; SK 80194 A3 19941207; ZA 938 B 19940616

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**US 9300078 W 19930106**; AP 9300474 A 19930105; AU 3434793 A 19930106; BG 9888894 A 19940705; BR 9305707 A 19930106; CA 2127274 A 19930106; CN 93101174 A 19930106; EP 93902956 A 19930106; FI 943213 A 19940705; HU 9402029 A 19930106; IL 10430393 A 19930104; JP 51254193 A 19930106; KR 19940702342 A 19940705; MA 23051 A 19930105; MX 9300026 A 19930106; NO 942531 A 19940705; OA 60530 A 19940630; RU 94037761 A 19940705; SI 9300005 A 19930106; SK 80194 A 19930106; ZA 938 A 19930104