

Title (en)  
NEW CHIRAL SULPHATES PREPARATION THEREOF AND UTILIZATION IN THE SYNTHESIS OF PHARMACEUTICAL PRODUCTS.

Title (de)  
NEUE CHIRALE SULFATE, IHRE HERSTELLUNG UND IHRE VERWENDUNG IN DER SYNTHESE VON ARZNEIMITTELN.

Title (fr)  
NOUVEAUX SULFATES CHIRAUX, LEUR PREPARATION ET LEUR EMPLOI DANS LA SYNTHÈSE DE PRODUITS PHARMACEUTIQUES.

Publication  
**EP 0585341 A1 19940309 (FR)**

Application  
**EP 92911777 A 19920521**

Priority  
FR 9106235 A 19910523

Abstract (en)  
[origin: EP0515272A1] The (R) and (S) isomers of 1-(chloromethyl)ethylene sulphate, their preparation and their use in particular in the synthesis of adrenergic (S)- beta -blockers or of L-carnitine or of phospholipids.

Abstract (fr)  
Les isomères (R) et (S) du sulfate de chlorométhyl-1 éthylène, leur préparation et leur emploi en particulier dans la synthèse de (S)-beta-bloquants adrénérgiques ou de la L-carnitine ou des phospholipides.

IPC 1-7  
**C07D 327/10**; **C07D 303/22**; **C07D 303/36**; **A61K 31/165**

IPC 8 full level  
**C07C 213/06** (2006.01); **C07D 209/08** (2006.01); **C07D 285/10** (2006.01); **C07D 303/22** (2006.01); **C07D 303/36** (2006.01); **C07D 327/04** (2006.01); **C07D 327/10** (2006.01)

CPC (source: EP)  
**C07C 213/06** (2013.01); **C07D 209/08** (2013.01); **C07D 285/10** (2013.01); **C07D 303/22** (2013.01); **C07D 303/36** (2013.01); **C07D 327/10** (2013.01)

Citation (search report)  
See references of WO 9220670A1

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

DOCDB simple family (publication)  
**EP 0515272 A1 19921125**; CA 2109294 A1 19921124; EP 0585341 A1 19940309; FI 935170 A0 19931122; FI 935170 A 19931122; FR 2676736 A1 19921127; FR 2676736 B1 19930806; IE 921657 A1 19921202; JP H06507631 A 19940901; NO 933928 D0 19931029; NO 933928 L 19931029; WO 9220670 A1 19921126

DOCDB simple family (application)  
**EP 92401385 A 19920521**; CA 2109294 A 19920521; EP 92911777 A 19920521; FI 935170 A 19931122; FR 9106235 A 19910523; FR 9200451 W 19920521; IE 921657 A 19920701; JP 51076192 A 19920521; NO 933928 A 19931029