

Title (en)
BILE ACID CONTAINING PRODRUGS WITH ENHANCED BIOAVAILABILITY

Title (de)
GALLENSÄURE ENTHALTEND PROPHARMAKA MIT ERHÖHTER BIOAVILITÄT

Title (fr)
PROMEDICAMENTS CONTENANT UN ACIDE BILIAIRE ET PRESENTANT UNE MEILLEURE BIODISPONIBILITE

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Application
EP 01926709 A 20010406

Priority
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Abstract (en)
[origin: WO0176531A2] Many compounds have poor bioavailability or variable bioavailability because of poor absorption of the compound in the small intestine. Conjugation of the compound with bile acid to form a prodrug will increase the bioavailability of the compound and/or reduce the bioavailability variability of the compound because of the active transport of the prodrug by the intestinal bile acid transporter and because of increased lipophilic nature of the prodrug. A linker group can be used between the bile acid and the compound. One example of a bile acid containing prodrug is acyclovir valyichenodeoxycholate, where valine is the linker group. Another example of this prodrug is atenolol cholic acid amide.

IPC 1-7
A61K 35/50; **A61K 39/40**; **A61K 39/42**; **A61K 39/44**; **A61K 39/395**; **C07J 43/00**; **C07J 9/00**; **C07J 41/00**; **A61P 31/12**

IPC 8 full level
A61K 47/48 (2006.01); **A61K 31/165** (2006.01); **A61K 31/522** (2006.01); **A61K 31/575** (2006.01); **A61K 31/58** (2006.01); **A61K 35/50** (2006.01); **A61K 39/395** (2006.01); **A61K 39/40** (2006.01); **A61K 39/42** (2006.01); **A61K 39/44** (2006.01); **A61P 9/04** (2006.01); **A61P 31/12** (2006.01); **A61P 43/00** (2006.01); **C07J 9/00** (2006.01); **C07J 41/00** (2006.01); **C07J 43/00** (2006.01)

IPC 8 main group level
A61K (2006.01)

CPC (source: EP)
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• See references of WO 0176531A2

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