

Title (en)

DELIVERY AGENTS FOR ENHANCING MUCOSAL ABSORPTION OF THERAPEUTIC AGENTS

Title (de)

ZUFÜHRUNGSMITTEL FÜR VERBESSERTE MUKOSALE ABSORPTION VON THERAPEUTISCHEN MITTELN

Title (fr)

DELIVRANCE D'AGENTS PERMETTANT D'AMELIORER L'ABSORPTION MUCOSALE D'AGENTS THERAPEUTIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005113008A1] A delivery agent for delivering a biologically active agent to a warm-blooded animal includes a hydrophobic moiety covalently bonded to a hydrophilic moiety. The hydrophobic moiety can include bile acids, sterols, or hydrophobic small molecules. The hydrophilic moiety can include alpha-amino acids, dipeptides or tripeptides, or hydrophilic small molecules. An illustrative delivery agent is Nalpha-deoxycholy-L-lysine-methylester. The delivery agent and the biologically active agent are mixed together to form a complex, which is then administered to the animal. These complexes are particularly useful for oral administration of biologically active agents, but other routes of administration may be used.

IPC 8 full level

A61K 47/14 (2006.01)

CPC (source: EP)

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Citation (search report)

- [XYI] US 5541348 A 19960730 - AYRA PRABHAT [CA], et al
- [XI] US 6395713 B1 20020528 - BEIGELMAN LEONID [US], et al
- [Y] CARYN LANG BOWE ET AL: "Design of compounds that increase the absorption of polar molecules", PROC. NATL. ACAD. SCI. USA, 1 October 1997 (1997-10-01), pages 12218 - 12223, XP055041853, Retrieved from the Internet <URL:http://www.pnas.org/content/94/22/12218.full.pdf#page=1&view=FitH> [retrieved on 20121022]
- [A] SINGLETARY W V ET AL: "Ileal transport of bile acids conjugated with norleucine and lysine", BIOCHIMICA ET BIOPHYSICA ACTA. BIOMEMBRANES, AMSTERDAM, NL, vol. 266, no. 1, 14 April 1972 (1972-04-14), pages 238 - 245, XP023792797, ISSN: 0005-2736, [retrieved on 19720414], DOI: 10.1016/0005-2736(72)90138-1
- See references of WO 2005113008A1

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