

Title (en)  
METHODS AND COMPOSITIONS FOR LIPIDIZATION OF HYDROPHILIC MOLECULES

Title (de)  
METHODEN UND ZUSAMMENSETZUNGEN ZUR LIPIDISIERUNG HYDROPHILER MOLEKÜLE

Title (fr)  
PROCEDES ET COMPOSITIONS POUR LA LIPIDATION DE MOLECULES HYDROPHILE

Publication  
**EP 1023316 A4 20040609 (EN)**

Application  
**EP 97944483 A 19970926**

Priority  
• US 9717282 W 19970926  
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• US 4949997 P 19970613

Abstract (en)  
[origin: WO9813007A2] Fatty acid derivatives of disulfide-containing compounds (for example, disulfide-containing peptides or proteins) comprising fatty acid-conjugated products with a disulfide linkage are employed for delivery of the compounds to mammalian cells. This modification markedly increases the absorption of the compounds by mammalian cells relative to the rate of absorption of the unconjugated compounds, as well as prolonging blood and tissue retention of the compounds. Moreover, the disulfide linkage in the conjugate is quite labile in vivo and thus facilitates intracellular or extracellular release of the intact compounds from the fatty acid moieties.

IPC 1-7  
**C07K 1/00**; **A61K 47/48**

IPC 8 full level  
**A61K 9/127** (2006.01); **A01N 37/18** (2006.01); **A61K 31/7088** (2006.01); **A61K 38/00** (2006.01); **A61K 47/48** (2006.01); **A61P 43/00** (2006.01); **C07C 231/00** (2006.01); **C07C 323/00** (2006.01); **C07C 323/39** (2006.01); **C07C 323/59** (2006.01); **C07D 213/71** (2006.01); **C07D 473/18** (2006.01); **C07H 19/06** (2006.01); **C07H 19/16** (2006.01); **C07H 21/00** (2006.01); **C07J 43/00** (2006.01); **C07K 1/00** (2006.01); **C07K 5/093** (2006.01); **C07K 7/06** (2006.01); **C07K 14/00** (2006.01); **C07K 14/485** (2006.01); **C07K 14/585** (2006.01); **C07K 14/62** (2006.01)

IPC 8 main group level  
**A61K** (2006.01); **C07C** (2006.01)

CPC (source: EP KR)  
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Citation (search report)  
• [A] WO 9622773 A1 19960801 - UNIV SOUTHERN CALIFORNIA [US]  
• [E] WO 9749425 A1 19971231 - STICHTING INST DIERHOUDERIJ [NL], et al  
• [A] KIWADA H ET AL: "Application of synthetic liposomes based on acyl amino acids or acyl peptides as drug carriers. I. Their preparation and transport of glutathione into the liver.", CHEMICAL & PHARMACEUTICAL BULLETIN. JUL 1987, vol. 35, no. 7, July 1987 (1987-07-01), pages 2935 - 2942, XP002276804, ISSN: 0009-2363

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