

Title (en)
AMINO ACID PRODRUGS

Title (de)
AMINOSÄURE-PRODRUGS

Title (fr)
PRODRUGUES A BASE D'ACIDES AMINES

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Application
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Abstract (en)
[origin: WO2005046575A2] The present invention is directed to a prodrug comprised of an amino acid bonded to a medicament or drug having a hydroxy, amino, carboxy or acylating derivative thereon. The prodrug has the same utility as the drug from which it is made, but it has enhanced therapeutic properties. In fact, the prodrugs of the present invention enhance at least two therapeutic qualities, as defined herein. The present invention is also directed to pharmaceutical compositions containing same.

IPC 8 full level
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Citation (search report)
• [I] US 2003087803 A1 20030508 - YATVIN MILTON B [US], et al
• [A] US 5411947 A 19950502 - HOSTETLER KARL Y [US], et al
• See references of WO 2005046575A2

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DOCDB simple family (publication)
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