

Title (en)  
VLA-4 INTEGRIN ANTAGONISTS

Title (de)  
VLA-4 INTEGRIN-ANTAGONISTEN

Title (fr)  
ANTAGONISTES DE L'INTEGRINE VLA-4

Publication  
**EP 1235793 A2 20020904 (EN)**

Application  
**EP 00990650 A 20001205**

Priority  
• EP 0012226 W 20001205  
• US 45567099 A 19991207

Abstract (en)  
[origin: WO0142192A2] Compounds of formula (I) wherein Ar is carbocyclic or heterocyclic aryl, or biaryl; Q is O, S or N-CN; X is arylene; V is NH, O, NHOH, CH<sub>2</sub> or a direct bond; W is NH, O, NHOH, CH<sub>2</sub> or a direct bond; Alk is C<sub>2</sub>-C<sub>7</sub>-alkylene or C<sub>2</sub>-C<sub>7</sub>-alkylene interrupted by O, S, SO, SO<sub>2</sub> or NR<sub>3</sub>; Y is amino, acylamino, mono- or di- (lower alkyl, aryl or aralkyl)-amino, pyrrolidino, perhydroazepino or a group of the formula (II) in which M<sub>1</sub> is N; and M<sub>2</sub> is CH<sub>2</sub>, O, NR<sub>3</sub>, S, SO or SO<sub>2</sub>; R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are independently hydrogen, lower alkyl, lower alkenyl, cycloalkyl, aryl, cycloalkyl-lower alkyl, aryl-lower alkyl or aryl-lower alkenyl; Z is lower alkylene or lower alkylene substituted by one or more of lower alkyl, lower alkenyl, cycloalkyl, aryl, cycloalkyl-lower alkyl, aryl-lower alkyl or aryl-lower alkenyl; or Z is lower alkylene interrupted by O, S, SO, SO<sub>2</sub> or NR<sub>3</sub>; pharmaceutically acceptable esters and amides thereof; and pharmaceutically acceptable salts thereof, which are useful as VLA-4 integrin antagonists.

IPC 1-7  
**C07C 275/38**; **C07D 295/13**; **A61K 31/5375**; **A61K 31/17**; **A61P 27/02**

IPC 8 full level  
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