

Title (en)

INTEGRIN ANTAGONISTS

Title (de)

INTEGRINANTAGONISTEN

Title (fr)

ANTAGONISTES DE L'INTEGRINE

Publication

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Application

**EP 97938568 A 19970825**

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Abstract (en)

[origin: WO9808840A1] This invention relates to certain novel compounds and derivatives thereof, their synthesis, and their use as vitronectin receptor antagonists. The vitronectin receptor antagonist compounds of the present invention are alpha v beta 3 antagonists, alpha v beta 5 antagonists or dual alpha v beta 3/ alpha v beta 5 antagonists useful for inhibiting bone resorption, treating and preventing osteoporosis, and inhibiting restenosis, diabetic retinopathy, macular degeneration, angiogenesis, atherosclerosis, inflammation and tumor growth.

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IPC 8 full level

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**A61K 38/00** (2013.01)

Citation (search report)

- [X] WO 9532710 A1 19951207 - MERCK & CO INC [US], et al
- [Y] WO 9517397 A1 19950629 - MERCK & CO INC [US], et al
- [Y] WO 9518111 A1 19950706 - DU PONT MERCK PHARMA [US]
- [Y] WO 9514682 A1 19950601 - DU PONT MERCK PHARMA [US]
- [Y] WO 9514683 A1 19950601 - DU PONT MERCK PHARMA [US]
- [Y] WO 9408577 A1 19940428 - MERCK & CO INC [US], et al
- [PY] WITYAK,J. ET AL.: "Discovery of Potent Isoxazoline Glycoprotein IIb/IIIa Receptor Antagonists", J.MED.CHEM., vol. 40, no. 1, 3 January 1997 (1997-01-03), WASHINGTON, pages 50 - 60, XP002158237
- [PY] XUE,C.B. ET AL.: "Discovery of an Orally Active Series of Isoxazoline Glycoprotein IIb/IIIa Antagonists", J.MED.CHEM., vol. 40, no. 13, 20 June 1997 (1997-06-20), WASHINGTON, pages 2064.2084, XP002158238
- See references of WO 9808840A1

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