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Rajadhyaksha

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[54] **COMPOSITIONS AND METHOD COMPRISING AMINOALCOHOL DERIVATIVES AS MEMBRANE PENETRATION ENHANCERS FOR PHYSIOLOGICAL ACTIVE AGENTS**

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Related U.S. Application Data

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[51] **Int. Cl.**[6] **A61K 31/27**; A61K 31/335; A61K 31/22; A61K 31/225; A61K 31/23; A61K 31/16

[52] **U.S. Cl.** **514/452**; 514/478; 514/479; 514/546; 514/547; 514/552; 514/625; 514/629; 514/946; 514/947

[58] **Field of Search** 514/847, 785, 514/478, 479, 452, 546, 547, 552, 625, 629, 946, 947

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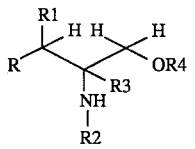
[57] **ABSTRACT**

A method and compositions for enhancing absorption of topically administered physiologically active agents through the skin and mucous membranes of humans and animals in a transdermal device or formulation for local or systemic use, comprising a therapeutically effective amount of a pharmaceutically active agent and a non-toxic, effective amount of penetration enhancing agent of the formula I or a physiologically acceptable salt thereof:



wherein:

R^1, R^2, R^3 and R^4 are as defined herein.

26 Claims, No Drawings