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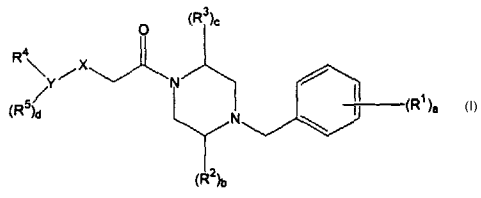
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(54) Title: PIPERAZINE DERIVATIVES WITH CCR1 RECEPTOR ANTAGONIST ACTIVITY



(57) Abstract: The present invention relates to compounds of the formula (1)and the pharmaceutically acceptable forms thereof; wherein X, Y, a, b, c. d, R^1, R^2, R^3, R^4 and R^5 are as defined herein. Moreover, the present invention is also directed at pharmaceutical compositions comprising a compound of the formula I and a pharmaceutically acceptable carrier. Furthermore, the present invention is directed at methods of using the herein described compounds and compositions for treating or preventing a disorder or condition that can be treated or prevented by antagonizing the 15 CCR1 receptor in a mammal.