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- (74) Agents: MURASHIGE, Kate, H. et al.; Morrison & Foerster LLP, 3811 Valley Centre Drive, Suite 500, San Diego, CA 92130-2332 (US).
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- (71) Applicant (*for all designated States except US*): ANORMED INC. [CA/CA]; No. 200-20353 64th Avenue, Langley, British Columbia V2Y 1N5 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): MCEACHERN, Ernest, J. [CA/CA]; 3-15110 Beachview Avenue, White Rock, British Columbia V4P 1P6 (CA). BRIDGER, Gary, J. [US/US]; 445 South Garden Street, Bellingham, WA 98225 (US). SKUPINSKA, Krystyna, A. [CA/CA]; #208 - 1009 3rd Avenue, New Westminster, British Columbia V3M 1P6 (CA). SKERLJ, Renato, T. [US/CA]; 3333 Puget Drive, Vancouver, British Columbia V6L 2T6 (CA).
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(54) Title: SYNTHESIS OF ENANTIOMERICALLY PURE AMINO-SUBSTITUTED FUSED BICYCLIC RINGS

(57) Abstract: This invention describes various processes for synthesis and resolution of racemic amino-substituted fused bicyclic ring systems. One process utilizes selective hydrogenation of an amino-substituted fused bicyclic aromatic ring system. An alternative process prepares the racemic amino-substituted fused bicyclic ring system via nitrosation. In addition, the present invention describes the enzymatic resolution of a racemic mixture to produce the (R)- and (S)- forms of amino-substituted fused bicyclic rings as well as a racemization process to recycle the unpreferred enantiomer. Further provided by this invention is an asymmetric synthesis of the (R)- or (S)- enantiomer of primary amino-substituted fused bicyclic ring systems.



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