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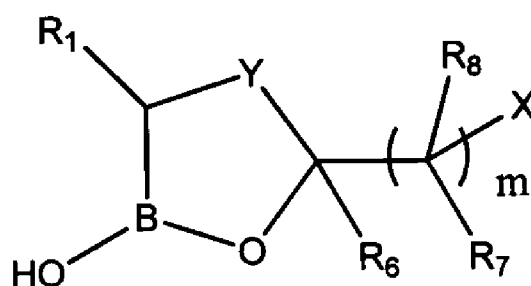
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(54) Title: CYCLIC BORONIC ACID ESTER DERIVATIVES AND THERAPEUTIC USES THEREOF



Formula (I)

(57) Abstract: Disclosed herein are antimicrobial compound compositions, pharmaceutical compositions, the use and preparation thereof. The invention relates to cyclic boronic acid ester derivatives of formula I and their use as therapeutic agents particularly in the treatment of bacterial infections.