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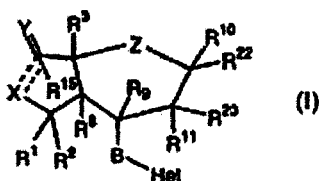
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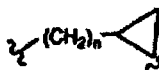
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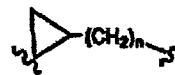
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(a)



(b)



(c)

(57) Abstract: Heterocyclic-substituted compounds of formula (I) [or a pharmaceutically acceptable salt thereof, are disclosed, wherein: Z is —(CH₂)_n—; (a); (b), wherein R¹⁰ is absent; or, (c) wherein R³ is absent; the single dotted line represents an optional double bond; the double dotted line represents an optional single bond; n is 0-2; Het is an optionally substituted mono-, bi- or tri-cyclic heteroaromatic group; B is —(CH₂)_{n3}—, wherein n₃ is 0-5, —CH₂—O—, —CH₂S—, —CH₂—NR⁶—, —C(O)NR⁶—, —NR⁶C(O)—, (d), optionally substituted alkynyl or optionally substituted alkynyl; X is —O— or —NR⁶— when the double dotted line represents a single bond, or X is H, —OH or —NHR²⁰ when the bond is absent; Y is =O, =S, (H, H), (H, OH) or (H, C₁–C₆ alkoxy) when the double dotted line represents a single bond, or when the bond is absent, Y is =O, =NOR¹⁷, (H, H), (H, OH), (H, SH), (H, C₁–C₆ alkoxy) or (H, substituted-amino); R²² and R²³ are independently —OH, —OC(O)R³⁰, OC(O)NR³⁰R³¹, or optionally substituted alkyl, alkenyl, alkynyl, heterocycloalkyl, aryl, cycloalkyl, cycloalkenyl, carbonyl, amino, alkoxy, alkenyloxy, alkynyloxy, heterocycloalkyloxy, cycloalkyloxy, or cycloalkenyloxy; or R²² and R¹⁰, or R²³ and R¹¹, can form a carbocyclic or heterocyclic ring; and the remaining variables are as described in the specification. Also disclosed are pharmaceutical compositions containing said compounds and their use as thrombin receptor antagonists and binders to cannabinoid receptors.