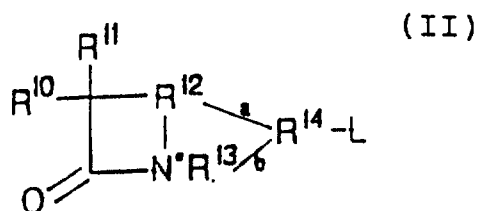
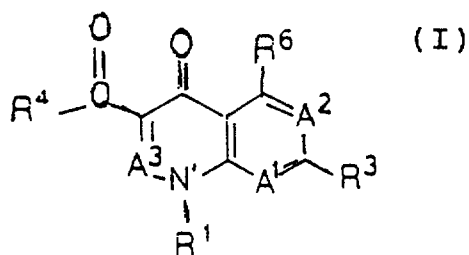


Abstract

ANTIMICROBIAL QUINOLONYL LACTAMS



Antimicrobial quinolonyl lactam compounds comprising a lactam-containing moiety linked to a quinolone moiety, of formula (I), wherein (1) A¹, A², A³, R¹, and R⁴ generally form any of a variety of quinolone, naphthyridine or related cyclic moieties known in the art to have antimicrobial activity; and (2) R⁶ is part of a linking moiety, linking the quinolone moiety to a lactam-containing moiety having formula (II), wherein (3) R¹⁰, R¹¹, R¹², R¹³, and R¹⁴, together with bonds "a" and "b", form any of a variety of lactam-containing moieties known in the art to have antimicrobial activity; and (4) the linking moiety includes (for example) carbamate, dithiocarbamate, urea, thiourea, isouronium, isothiuronium, guanidine, carbonate, trithiocarbonate, reversed carbamate, xanthate, reversed isouronium, reversed dithiocarbamate, reversed isothiuronium, amine, imine, ammonium, heteroaryl, ether, thioether, ester, thioester, amide, and hydrazide groups.