

Fig. 1. Diversity of avermectin and milbemycin α molecular structures (milbemycins β with an open 5-membered cycle are not shown).

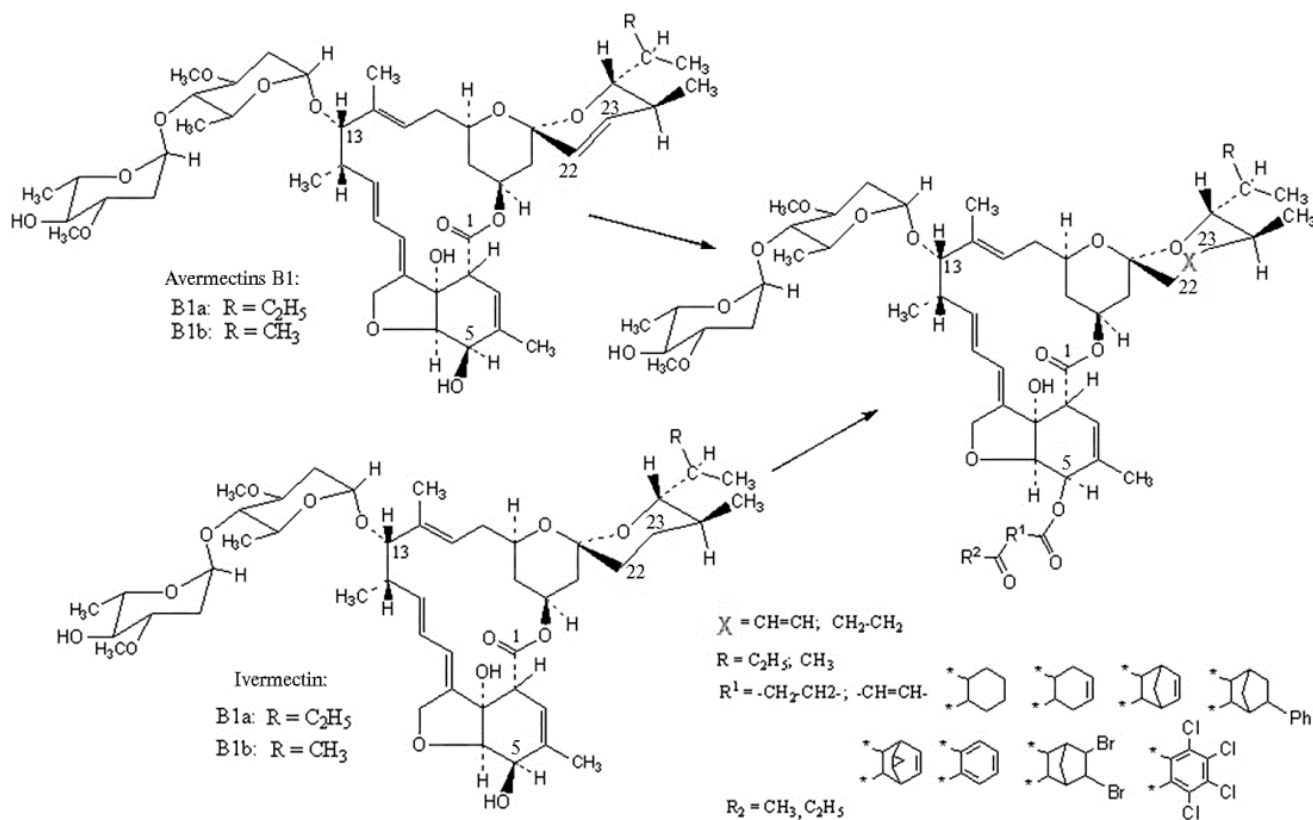


Fig. 2. Production of 5-O derivatives of avermectin B1 (22 and 23 are, respectively, the structural components $-CH_2-$ or $=CH-$ for single or double bond for X).