



Scheme 16.5 Chemical structures of (18)–(20).

16.2 Antibiotic Modification with Targeted Groups

The in-depth exploring of the mechanisms of antibiotic resistance has recreated new possibilities for targeted antibiotic modification. Scientists proved that the antibiotic resistance can occur through three general pathways (Scheme 16.6): (i) prevention of the interaction between drug and related targets, (ii) efflux of the antibiotic outside the pathetic cell, and (iii) direct