

*J. Pharm. Pharmacol.*, 1964, **16**, 137-157.

## Review Article

### A molecular basis for drug action\*

E. J. ARIËNS AND A. M. SIMONIS

**T**HE effect induced by a drug is the resultant of the interaction between the molecules of the drug and the molecules of which the biological object is composed. The higher the specificity required in the structure of the drug molecule, the more probable it becomes that the effect is based on an interaction of these molecules with certain specific molecules in the biological object. These specific molecules are called the receptors for the drug. They can be defined as those specific molecules, molecule