

Active Pharmaceutical Ingredient Excipients

CD Formulation has professional production equipment and management experience, as well as professionals with rich professional knowledge. We can customize active pharmaceutical ingredient excipients with different specifications and quality requirements, and produce corresponding products according to customer needs.

Background of Excipients



Excipients refer to the natural or synthetic substances attached to the active ingredients of the medicine. The main purpose is to enhance the effect of the active ingredients in the medicine, or to promote the dissolution and absorption of the medicine in the final dosage form, so as to enhance the play of the active ingredients. . The excipient interacts with the active API (API) to improve the performance of the drug. Excipients play an increasingly important role and are now welcomed by major pharmaceutical companies. Due to the inherent stability of chemical reagents, active ingredients added to solid preparations or enhanced final dosage forms containing a small amount of raw materials can have excellent properties of promoting drug absorption, reducing viscosity, or increasing solubility.

About active pharmaceutical ingredients

Active Pharmaceutical Ingredients (API) refer to the biologically active ingredients of pharmaceutical products. Excipients refer to inactive substances used as carriers or media for drugs or other active ingredients. Excipients are generally considered inactive, seemingly because they are only considered as ingredients for the production of tablets, creams or solutions. However, excipients usually play an important and active role in drugs, such as: helping to control the drug substance to meet the specific needs of bioavailability, assisting in binding and coating during the drug production process, and stable and unstable components, such as the use of Protein pigments and masks unpleasant tastes or odors, making it easy to identify different drugs by taste.

Application

Our excipients can be used in various medical products such as capsules, tablets, oral liquids, inhalers, implants and injections. According to current reports, the global pharmaceutical excipients market is driven by the increasing demand for oral drugs. Factors such as increased patient compliance and ease of use are forcing manufacturers to develop oral solid formulations with very specific characteristics.



Fig. 1 Schematic diagram of the application of Excipients

- Enhance the effect of active ingredients in medicines (so they are also called extenders, diluents, etc.)

- Promote dissolution and absorption in the final dosage form of the drug to enhance the play of active ingredients.
- Excipients use powder or non-sticky substances to process the active ingredients during the drug manufacturing process, and can maintain the drug without denaturation outside the body during the effective period.
- The choice of excipients depends on other factors such as the route of administration, dosage form, and active ingredients.

CD Formulation is a leading manufacturer of excipients, serving the pharmaceutical industry to help it improve the performance of its products. We develop, produce and sell pharmaceutical excipients for solid, semi-solid and liquid dosage forms. If you have any requirements for active pharmaceutical ingredients and excipients, please [contact us](#) by phone or email, and our colleagues will reply to you within 2-4 working days.