



DiluCap OD

The right excipient for orodispersible capsules

The choice of the correct excipient is of great importance to ensure the clinical performance of an active pharmaceutical ingredient (API), as it can directly influence its bioavailability, solubility, stability, and other physical and chemical properties.

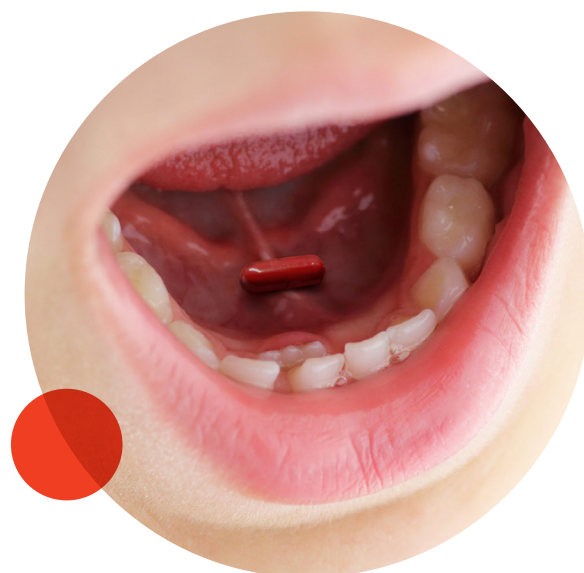
Solid pharmaceutical dosage forms with a patient-friendly approach, aiming to overcome swallowing difficulties in special patient groups, such as sprinkle capsules and orodispersible capsules, represent a good alternative to increase adherence, and therefore, the success of patient's treatments.

Sprinkle capsules can be either swallowed or opened, sprinkling their content over a semi-solid or liquid food, such as yogurts, pudding, or juices. This allows for easy medication administration to children, the elderly, and dysphagic patients.

On the other hand, orodispersible capsules can be also a strategical way to avoid gastrointestinal effects, delivering the medication directly to the bloodstream, resulting in greater bioavailability and rapid therapeutic effect.

DiluCap OD is a ready-to-use excipient especially developed **to prepare sprinkle and orodispersible capsules**, for sublingual use. **DiluCap OD** is formulated with soluble, and palatable ingredients that ensure adequate permeation of the API through the oral mucosa, with a pleasant taste, contributing to patient adherence to treatments.

DiluCap OD is physiologically inert and free from allergens such as lactose, gluten, soy, and others.



DiluCap OD provides to the pharmacist:

- Avoidance of first passage metabolism and associated side effects
- Rapid oral release of the API
- Improved patient adherence to treatment
- Avoidance of segregation between particles
- The preservation of the API stability
- Dose accuracy among capsules due to adequate particle distribution
- High-performance formulations with adequate bioavailability
- Better handling of different powders and great flow properties
- Proven functionality
- Reproducibility in every batch
- Reduction of process time and number of items in stock



For each API, there is a right DiluCap excipient:



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