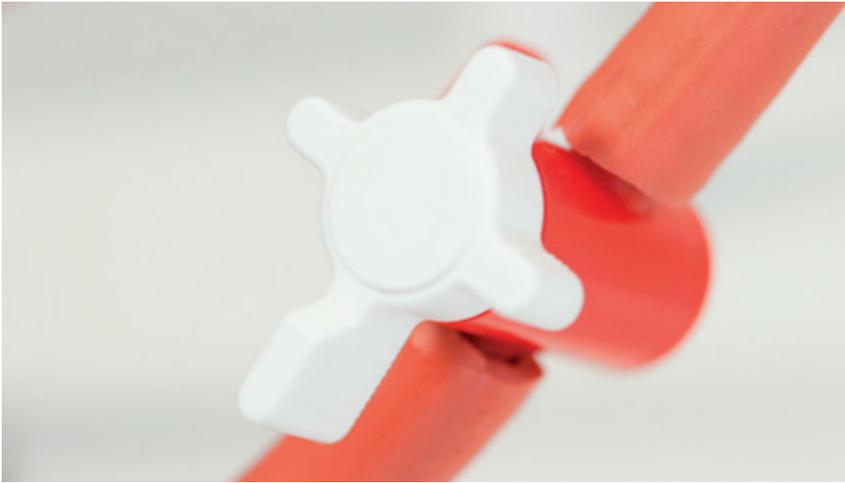


## Adjustable active ingredient release? Why not?

Enables a permanent release  
of active ingredients, an easy-  
to-use tableting compound



## General Information on BIOGRUND

Since 1999, **BIOGRUND** has been developing and producing special powder preparations for film coating, sugar-coating, colouring and tableting, which are used in pharmaceutical products, food and nutritional supplements and cosmetics all over the world. These one-step products minimize and simplify working times for all applications. Easy, fast and reliable!

## Product Information RetardCel®

**BIOGRUND's** one-step matrix agent **RetardCel®** provides an easy-to-use compound which retards the release of active ingredients.

**RetardCel®** forms a gel, through which the active ingredient diffuses. The use of NaCMC accelerates the gel-forming process, so the initial drug release is reduced.

The diffusion rate is affected by the cellulose ethers that are used. Mixtures with high viscous compounds form a hard gel; mixtures with low viscous compounds form a light gel, so the drug release rate can be easily adjusted.

**RetardCel®** can be used for direct compression and wet granulation. For direct compression, the active ingredient, excipients and **RetardCel®** should be mixed together in one step. For wet granulation, the active ingredient should be granulated first and then the granule (<400 µm) can easily be mixed with **RetardCel®**. **BIOGRUND** recommends using 10–30% within the tablet formulation.

Regulatory and quality aspects: All **RetardCel®** formulations are developed to meet the official regulatory requirements of the user's country for pharmaceutical products and for nutritional or dietary supplements.

## Product Performance



## Contact us

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