

Adjustable active ingredient release? Why not?

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



Product Information
CompactCel® SR

BIOGRUND's one-step matrix agent **CompactCel® SR** provides an easy-to-use compound which controls the sustained release of active ingredients.

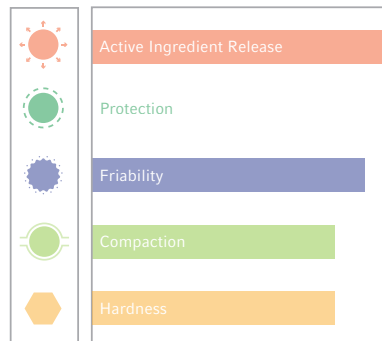
CompactCel® SR forms a gel, through which the active ingredient diffuses. The use of NaCMC accelerates the gel-forming process, so the initial drug release is reduced.

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.

CompactCel® SR can be used for direct compression and wet granulation. For direct compression, the active ingredient, excipients and **CompactCel® SR** 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 **CompactCel® SR**. **BIOGRUND** recommends using 10–30% within the tablet formulation.

Regulatory and quality aspects: All **CompactCel® SR** 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



General Information
on BIOGRUND

Since 1999, the **BIOGRUND** Group has been the specialist for the homogeneous mixing of excipients and carriers. With locations in Germany, Switzerland, America and Russia, we support the food supplement and pharmaceutical industry in the development, formulation and production of solid oral dosage forms. The tailor-made and ready-to-use special powder mixtures for film coating, sugar-coating, coloring and tableting enable optimum results in a short time. Easy, fast and reliable!

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