

SPI Pharma[™]

An ABF Ingredients Company

Compressol[™] ProTab

The Next Generation of Direct Compression

www.spipharma.com



Compressol™ ProTab

Offering superior compactability for high dose / difficult to compress actives combined with the ability to protect fragile and moisture sensitive actives

Not Just Another Excipient

Compressol ProTab is a multifunctional soluble excipient platform designed for direct compression (DC). It's built to solve complex formulation challenges - especially where traditional excipients fall short. Whether you're working with high-dose APIs, pressure-sensitive actives, fragile coated pellets (MUPS), or live probiotic strains, Compressol ProTab delivers consistent performance, stability, and manufacturability across a wide range of tablet formats.



Enables high drug load formulations
tackling poorly compactible and moisture-sensitive actives



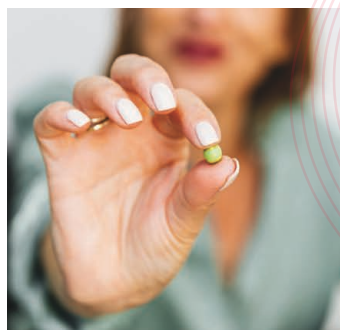
Protects coated pellets in MUPS tablets
maintaining modified-release coating integrity



Preserves probiotic viability
with ultra-low water activity for stable, consumer-friendly formats



Delivers versatile functionality
fully water-soluble with binder properties for diverse applications



Application Examples

Directly Compressible (DC) Tablets

DC tableting is often the process of choice to make dosage forms but can be difficult to make with certain actives, requiring additional binding agents, leading to larger tablets, or requiring using alternate technologies, such as wet-granulation, or use of capsule delivery. Moisture sensitive actives create additional challenges.

KEY BENEFITS

- ◆ Produces tablets with low compressibility actives
- ◆ Compresses high dose formulations
- ◆ A low moisture choice for sensitive actives
- ◆ Use with poor flow or low-density actives

Pellet-Based Drug Delivery

Pellets with spherical cores, coated or layered with active ingredients, provide versatile options for advanced oral dosage forms such as taste masking and controlled drug release.

KEY BENEFITS

- ◆ Ensures coating integrity of coated pellets in MUPS tablets Ex. Taste Masking and Modified Release
- ◆ Produces MUPS tablets of higher tensile strength at low compression force with low friability
- ◆ Improved consistency of drug release in controlled-release tablets
- ◆ Reduced risk of dose dumping

Probiotic Tablets

Probiotic strains like *Saccharomyces cerevisiae* (boulardii) and *Lactobacillus acidophilus* are highly sensitive to processing conditions. Using low compression forces in tableting helps preserve cell viability.

KEY BENEFITS

- ◆ Maintains probiotic viability in tablets
- ◆ Reduces required starting load of probiotic cultures
- ◆ Cost savings for manufacturers and final dosage forms
- ◆ Enables differentiated probiotic delivery formats

Chewable Tablets

Compressol™ ProTab enables the development of robust chewable tablets from poorly compressible and poorly flowing powders, while also improving patient convenience and compliance.

KEY BENEFITS

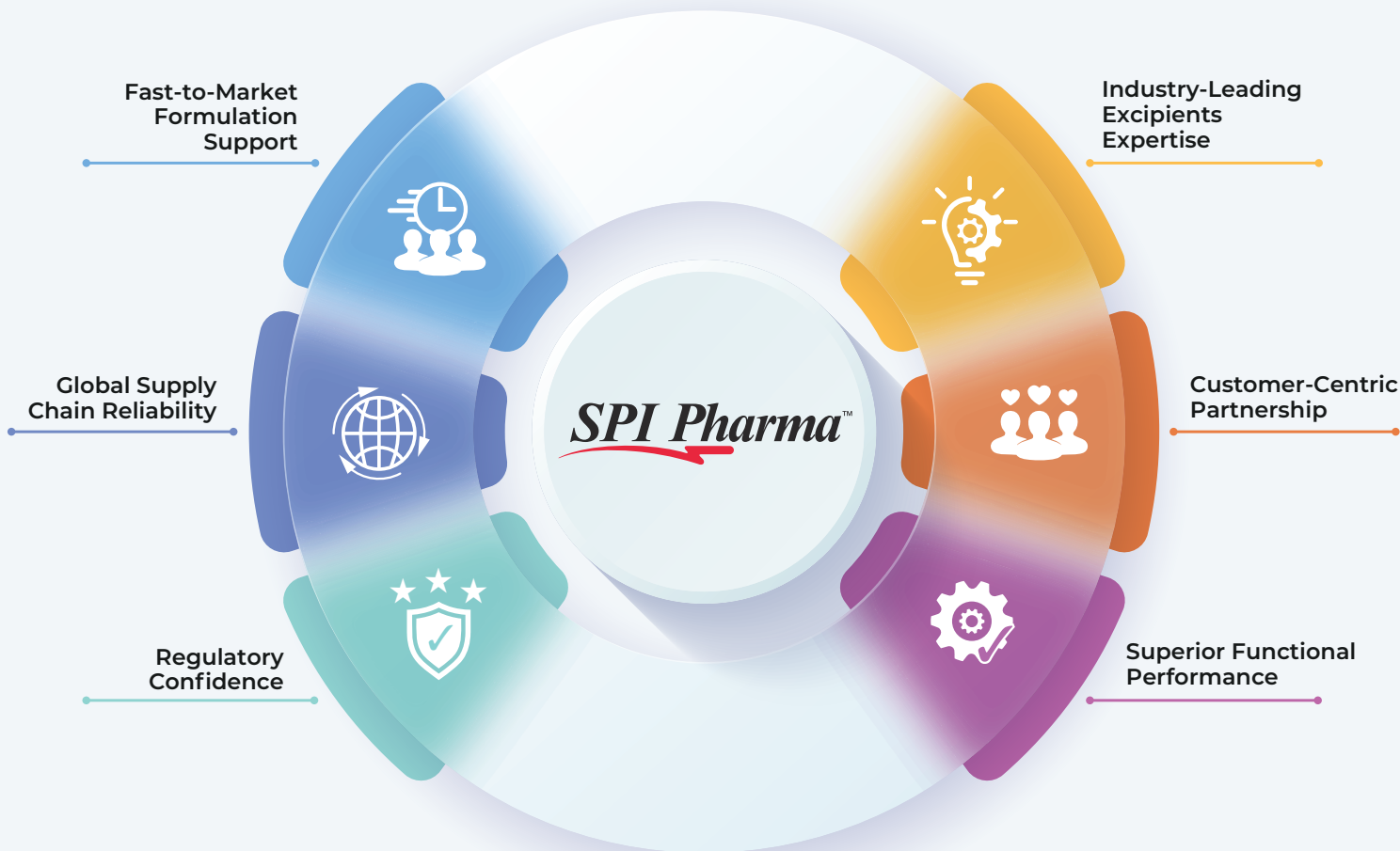
- ◆ Reduced tablet weight without sacrificing strength
- ◆ Sugar-free and lactose-free formulation options
- ◆ Enables higher-dose single tablets
- ◆ Easy-to-chew tablets, even at higher weights (up to 2,500 mg)
- ◆ Allows single-tablet daily dose for ingredients like Benegut®, eliminating the need for multiple capsules

The SPI Pharma Advantage

Powering Compressol™ ProTab with Proven Performance

At SPI Pharma, we bring over 75 years of pharmaceutical innovation to every product we support. With the launch of Compressol ProTab, our latest tablet technology, we continue our legacy of delivering trusted, performance-driven solutions.

Here's how SPI Pharma sets your formulation up for success:



Contact one of our experts, we are here to help!



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HUMAN Nutrition & Health



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