BUTYCAPS: Food supplement containing Microencapsulated Tributyrin.

Tributyrin is a triglyceride containing 3 molecules of butyric acid. Tributyrin releases butyric acid molecules when it is hydrolyzed by lipase enzyme.

Figure 1. Tributyrin

Figure 2. Tributyrin = Glycerol + (Butyric Acid x 3)
BUTYCAPS are non-chewable granules. To achieve microencapsulated tributyrin and get solid microspheres, we use solid fats at room temperature: Fully hydrogenated sunflower oil, mono and diglycerides of fatty acids (E-471).

Total hydrogenation allows the physicochemical objectives pursued while containing a practically insignificant amount of trans fat, less than 0,1% (0,08% exactly)

The microencapsulation technology of BUTYCAPS allows a slower and gradual release along the intestine.

Figure 3. Microencapsulation process: Production of monodisperse microcapsules with the electrohydrodynamic technology of AT CAPSELOS, AIE