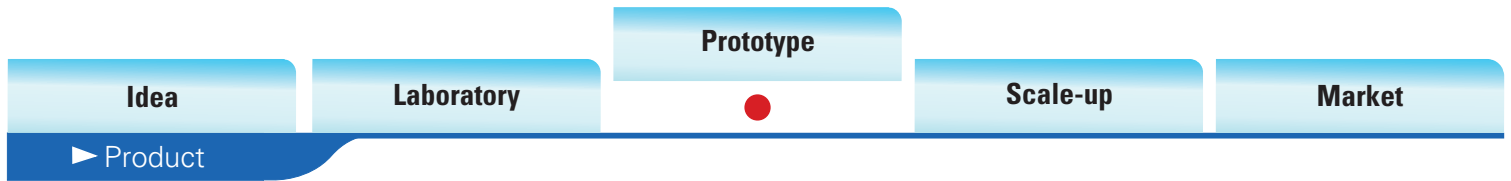


# CONTROLLED DRUG RELEASE SYSTEM

**"Fewer side effects and greater dosing convenience for patients"**



Source: www.sxc.hu



## Description

The technology consists of an effervescent floating drug delivery system (FDDS), as well as the process to produce and use it. The FDDS is a device that modulates the release of orally administered drugs in the form of pills, tablets or capsules, aiming to enhance the drug's bioavailability in the body.

## Problem

Many compounds with proven pharmacological activity have undesirable characteristics of administration, such as low solubility and bioavailability. When utilized without chemical modification, they do not result in effective medications, or their use is limited. This is a common characteristic of drugs absorbed in the stomach or in the proximal portion of the small intestine, or that are degraded in alkaline pH.

## Proposed solution

The use of the drug release system increases the effectiveness of drugs currently in use and favors the reintroduction of others previously discarded due to their undesirable properties of administration, in addition to allowing for the enhancement of new products.

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