



Drug Delivery Technology

Banner's new, patent-pending Versatrol™ controlled release softgel is yet another example of our leading-edge research. By varying the matrix content, Banner scientists have developed a controlled release technology that achieves a large variety of customized release patterns.

Versatrol™ controlled release softgel technology uses a standard softgel shell combined with lipid assisted drug delivery, enhancing the absorption of poorly soluble compounds. Depending on the physico-chemical properties of the active molecule, an emulsion or a suspension is chosen as a matrix. Almost any release profile can be engineered simply by tailoring the formulation variables. The result is an oral dosage form offering controlled release of the active moiety—combined with all the benefits of a softgel dosage form—and a more predictable release profile than is possible from either tablets or microencapsulation.