

Development of micro and nanoparticle systems

Controlled delivery

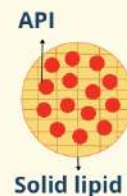
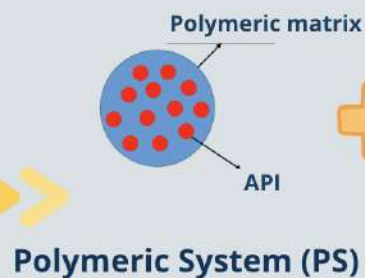
Synthetic Peptides



Advancement in creating new pharmaceutical products with diverse applications



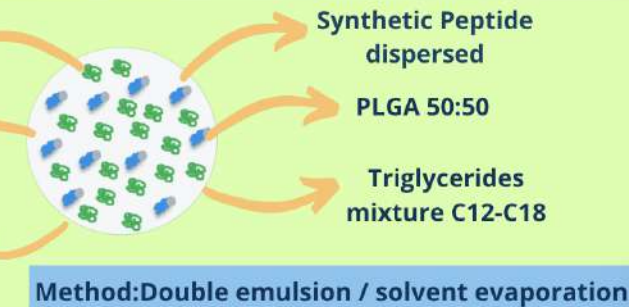
Lipopolymeric hybrid system (LPS)



Take advantage of the features of two drug delivery systems

Nature or synthetic Hybrids

Potential success *in vivo/in vitro*



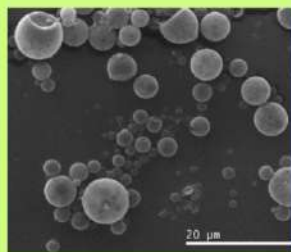
Synthetic Peptide dispersed

PLGA 50:50

Triglycerides mixture C12-C18

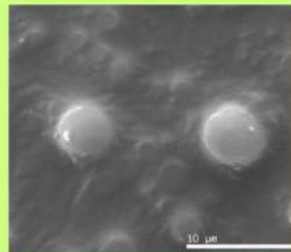
RESULTS

Polymeric system



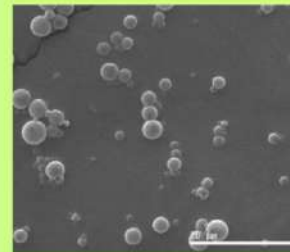
Size: 3,080-4920 nm

Lipidic system



136-163 nm

Lipopolymeric system



3,030-3930 nm

Spherical shape

Negative Z-potential

Encapsulation efficiency between 40.4% and 57.42%

