



**Dried fruits of
*Piper longum***



**Standardized
Piper longum fruits
ethanolic extract (PLFEE)**



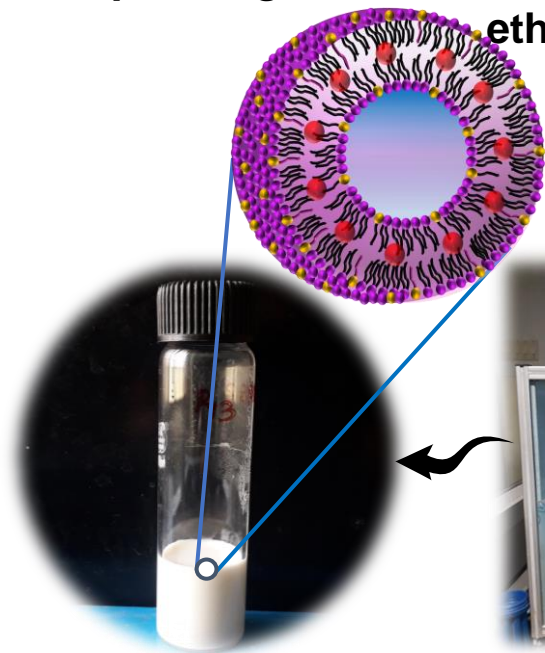
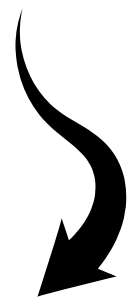
**Phospholipon® 90 H
and Tween® 80 in
ethanol**



**Ethanolic solution of
PLFEE and excipients**



Bath Sonication



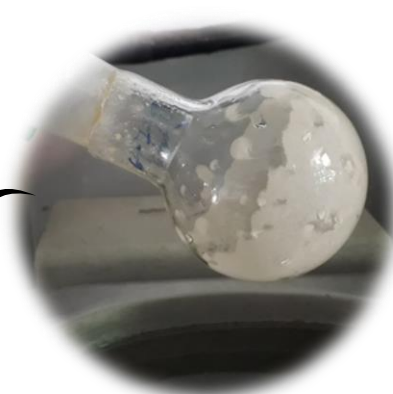
Transfersome (TFs)



Probe Sonication



Thin film hydration



Thin film



**Rotary vacuum
evaporation**