

# Supplementary Materials: Intranasal Niosomal *In Situ* Gel as a Promising Approach for Enhancing Flibanserin Bioavailability and Brain Delivery: *In Vitro* Optimization and *Ex Vivo/In Vivo* Evaluation

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Table S1. Freeze-thaw cycles for the stability study of FLB Niosomes.

|      | Time 0       | Cycle 1      | Cycle 2      | Cycle 3      |
|------|--------------|--------------|--------------|--------------|
| Size | 46.35 ± 3.62 | 45.3 ± 2.71  | 48.3 ± 2.53  | 49.3 ± 3.12  |
| EE%  | 92.48 ± 4.19 | 92.01 ± 5.31 | 91.18 ± 3.26 | 90.78 ± 4.91 |



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