

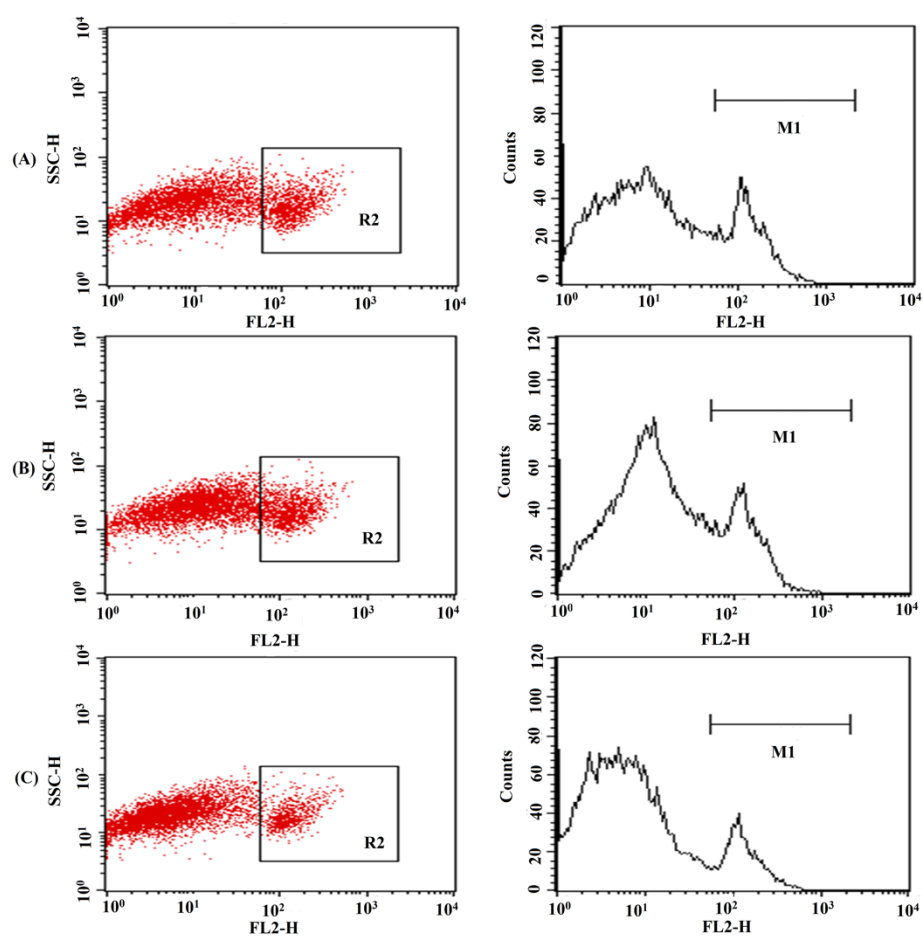


Fig. S1 Representative flow cytometry scatter plots of CCC-ESF cells stained with PI (propidium iodide)

after 8 h incubation with blank ethosomes (A), blank liposomes (B), or ethanol solution (C) with the same ethanol content.

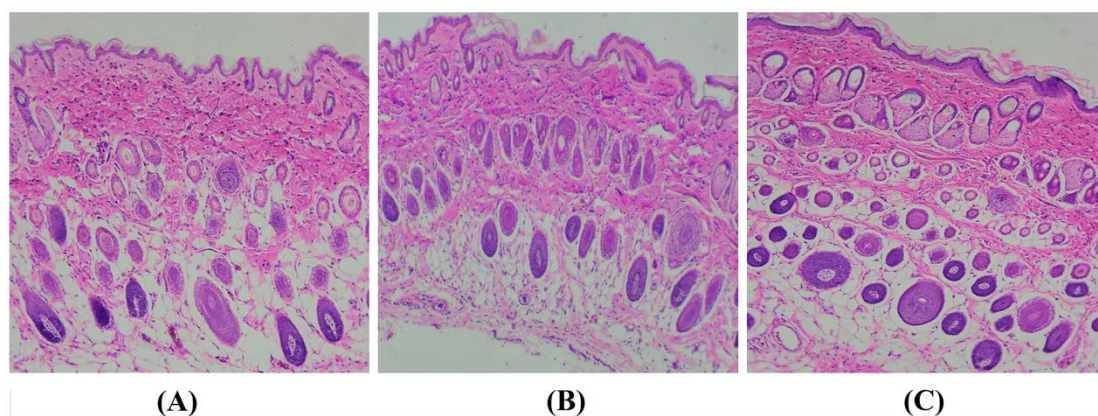


Fig. S2 Micrographs of rat skin sections embedded in paraffin and hematoxylin and eosin (HE) stained.

(A), normal (untreated) skin; (B), blank ethosomes treated skin; (C), blank liposomes treated skin.

Magnification $\times 400$.

Table S1 Stability of ethosomes: average vesicle size (nm) and PDI over time

Days (after preparation)	Average size (nm)	PDI
1	128.7 $\pm$ 1.6	0.245 $\pm$ 0.009
15	130.7 $\pm$ 1.8	0.229 $\pm$ 0.018
30	130.4 $\pm$ 2.2	0.241 $\pm$ 0.018

Table S2 Pharmacokinetic parameters for HAR in rat blood and skin microdialysates following transdermal administration of HLE (0.55 mg/cm², 2 cm²) in rats (mean ± SD, n = 6).

Parameter	Blood	Skin
AUC _(0-∞) (ng/ml·min)	449.77 ± 186.34	16136.09 ± 10243.93***
t _{1/2z} (min)	487.61 ± 311.96	272.24 ± 169.83
T _{max} (min)	185 ± 64.11	235 ± 48.06
C _{max} (ng/ml)	0.42 ± 0.48	47.77 ± 22.72**
MRT (min)	361.17 ± 53.24	316.53 ± 40.45