

Table S1 Summary of GSO-ILE mask human skin patch test results

Number	time	Negative control (blank matrix + membrane cloth)						GSO-ILE+Membrane cloth
32	0.5	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)
Grade	24h	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)
	48h	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)	0 (32)

Note:0: Negative reaction, 1: Suspicious reaction, 2: Weak positive reaction, 3: Strong positive reaction, 4: Extremely strong positive reaction.



Figure S1 Appearance of ionic liquid in grape seed oil

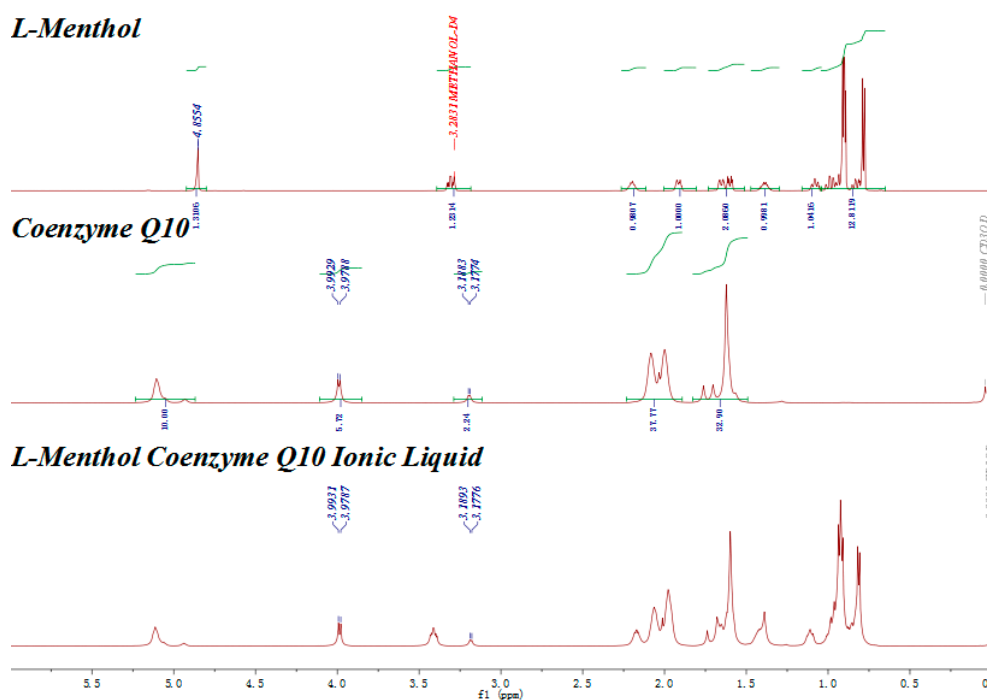


Figure S2 Menthol-Coenzyme Q10 ionic liquid NMR hydrogen spectroscopy results

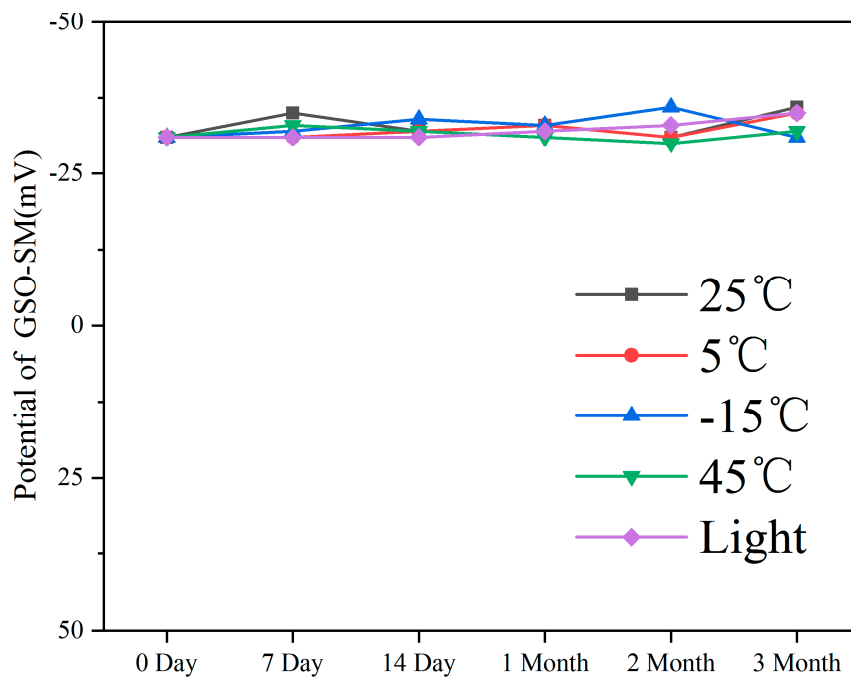


Figure S3 Particle size stability of grape seed oil ionic liquid emulsion

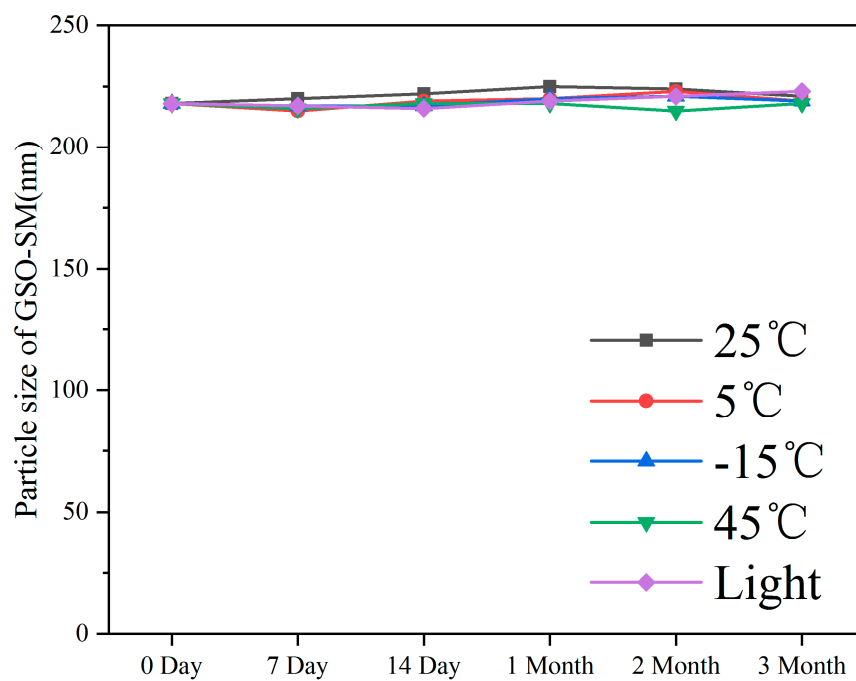


Figure S4 Potential stability of grape seed oil ionic liquid emulsion

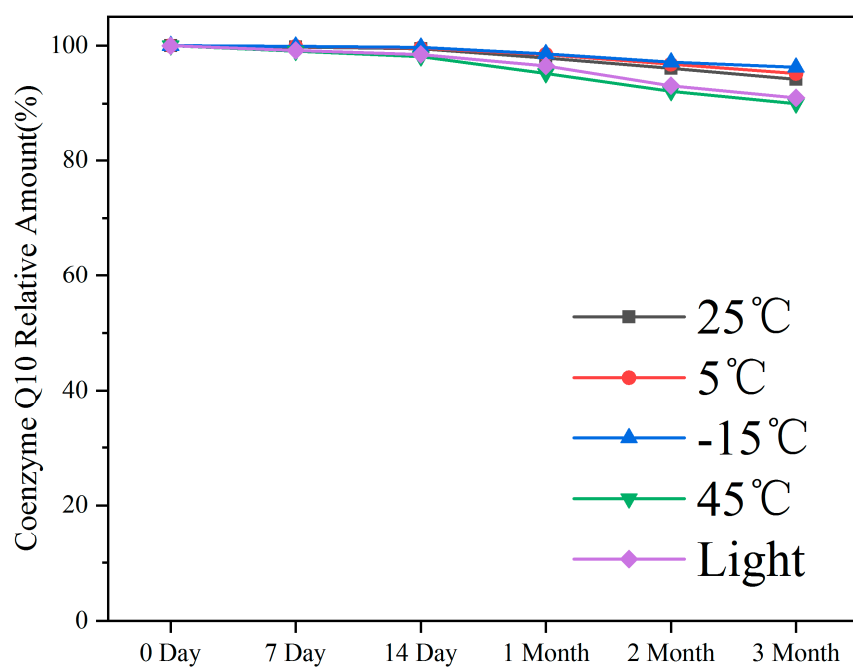


Figure S5 Content stability of coenzyme Q10 content in grape seed oil ionic liquid emulsion