SCC80TH ANNUAL SCIENTIFIC MEETING & SHOWCASE
DECEMBER 1 - 2, 2026 | JW MARRIOTT LA LIVE LOS ANGELES, CA



Breakthrough Anti-aging Technology for Longevity Skincare A Bioenergetic Activator for Mitochondrial Rejuvenation—BioEssence™ K2 MK-7 (Menaquinone-7)

Sino Lion

www.sinolion.com

PRODUCT/SERVICE BACKGROUND INFORMATION

BioEssence™ K2 MK-7 (Menaquinone-7) is a 100% all-trans Vitamin K2 produced via green biotechnology. As a pioneer, Sino Lion was the first to introduce MK-7 into cosmetics and establish its compliance in China and globally. Beyond surface-level symptoms, skin aging is driven by mitochondrial energy decline in cells. Grounded in GeroScience, Sino Lion built a complete scientific chain—from fundamental mechanism to in vitro and clinical validation. By serving as an efficient mitochondrial bioenergetic activator, MK-7 addresses the root cause of aging by re-energizing cells from within, unlocking a new standard for Longevity Skincare.

WHAT IS THE COMPANY INTRODUCING TO THE MARKET/INDUSTRY?

Sino Lion introduces BioEssence™ K2 MK-7 as a next-generation bioenergetic active for Longevity Skincare, supported by landmark research in ACS Omega. Moving beyond quick surface fixes, MK-7 acts at the subcellular level as a mitochondrial electron carrier to restore cellular youthfulness. In vitro studies prove that 0.002% MK-7 boosts ATP synthesis by 59.09%, doubles the NAD+/NADH ratio (+100.69%), restores membrane potential, preserves mtDNA copy number, and downregulates SASP markers (IL-8, p21, TNF-α, MMP-3). Available in high-purity, COSMOS-approved oil forms, it equips formulators with a clinically validated ingredient that targets true cellular rejuvenation.

HOW WILL THIS NEW PRODUCT/SERVICE IMPACT THE INDUSTRY (BENEFITS)?

BioEssence™ K2 MK-7 redefines anti-aging by shifting focus from treating visible symptoms to driving deep cellular rejuvenation from within. In an 8-week double-blind split-face/neck trial, 0.05% MK-7 cream proved that fundamental cellular energy restoration delivers visible structural transformations: an 11.45% lift at T8W in Mandibular Plane Angle for remarkable jawline contouring, an 8.60% reduction at T4W in marionette lines (Rz), and a 13.52% boost at T8W in elasticity (R1). MK-7 also strengthens the skin barrier, reduces UV-induced inflammation and fades dark circles, enabling brands to lead the GeroScience trend with high-performance neck and jawline lifting formulas.