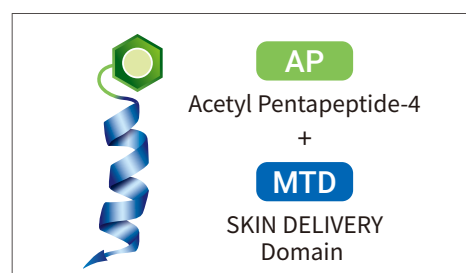


PC-AP

PC-AP is a transdermal acetyl hexapeptide-4 that exhibits efficacy upon delivery to the deepest layer of the skin, facilitated by the SKIN DELIVERY Technology

PC-AP applied with SKIN DELIVERY Technology

Product Name	PC-AP
Description	MTD linked Acetyl Pentapeptide-4
INCI Name	Nonapeptide-29 Pentapeptide-4
Application	Anti-aging, Anti-wrinkle
Patent	No. 10-1393397: Transdermal Delivery System



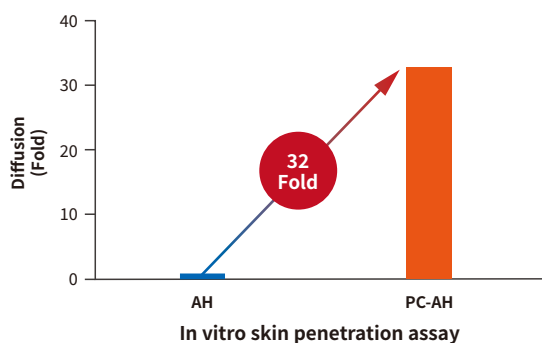
Description of AP(Acetyl Pentapeptide-4)

- Derived from the carboxyl-terminal of Type I procollagen, acetyl pentapeptide-4 (AP) takes part in intracellular protein synthesis as well as in decomposition and activation of extracellular matrix.
- AP promotes collagen synthesis by stimulating the vitalization of dermal fibroblasts and helps the skin reduce wrinkles and retain moisture.

Skin Delivery Test

PC-AP exhibits **32** times greater skin penetration compared to unmodified AP

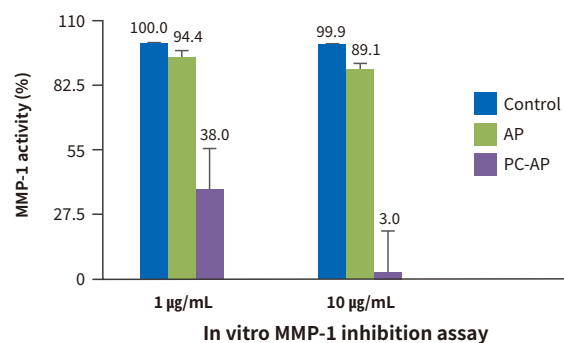
Comparative analysis of skin penetration on artificial skin (EpiDermFT™, MatTek) using Franz diffusion cell assay system



MMP-1 Inhibition Effect

MMP-1 inhibition effect of PC-AP is superior to that of unmodified AP

Comparative analysis of collagen growth by examining the effect of inhibiting collagenase Matrix metalloproteinase-1 (MMP-1)



Technical Information

Molecular Weight	~ 2.0 kDa
Appearance	Clear and colorless solution
pH in Finished Products	4.0 ~ 6.0
Purity	≥ 95.0 %

Recommend Dosage	≥ 0.5 % of PC-AP
Preservation	1.0 % 1,2-Hexanediol
Storage	2~8 °C
Safety	Non-irritating to the skin, Non-cytotoxicity