



TOPSCIENCE 众山



Cosmetic Grade PDRN/PN

Polydeoxyribonucleotide
Polynucleotide

Raw Material Submission Code:

000383-00507-4192(PDRN)

000383-00507-2333(PN)

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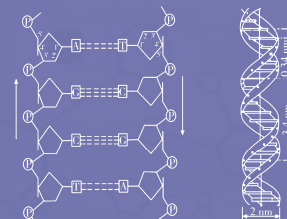


PRODUCT NAME: Polydeoxyribonucleotide(PDRN)/Polynucleotide(PN)

INCI NAME: DNA Sodium

CAS No.: 100403-24-5

RECOMMENDED DOSAGE: 0.1%~2%



PRODUCT ADVANTAGE



Extracted from salmon milt, it preserves native DNA structure with exceptional purity.



It offers a wide molecular weight range and is customizable to meet specific client requirements.

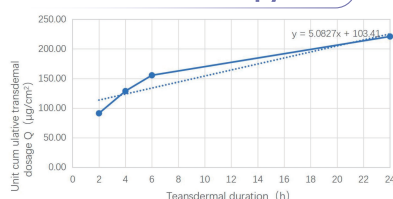


It enhances skin elasticity and firmness, while reducing the appearance of fine lines and minimizing pores.



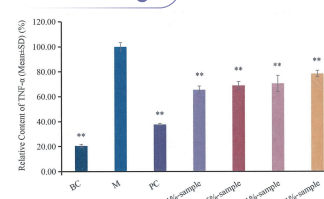
EFFICACY TEST

01. Transdermal Absorption



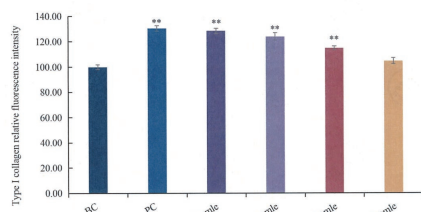
The results show that: PDRN has a strong transdermal effect, with a cumulative penetration percentage of up to 33% within 24h.

02. Soothing



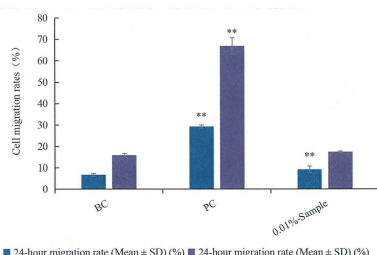
The results show that: PDRN can significantly reduce the content of inflammatory factor TNF-α at the test concentrations, indicating that PDRN exerts a soothing effect under the tested concentrations.

03. Anti-wrinkle & Firming



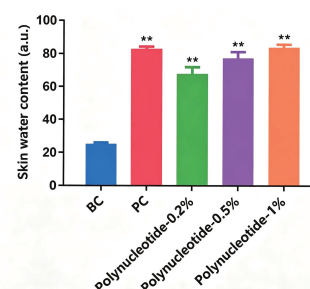
The results show that: PDRN can significantly increase the fluorescence intensity of type I collagen at the test concentrations, and the expression level of type I collagen is up-regulated to varying degrees, indicating that PDRN delivers anti-wrinkle and firming effects under the tested concentrations.

04. Repair



The results show that: PDRN can significantly promote cell migration of human immortalized keratinocytes at the test concentrations, indicating that PDRN has a repairing effect.

05. Hydration



The results show that: After 24h of treatment at the test concentrations, PN significantly increases skin water content, indicating that the product provides 24-hour moisturizing efficacy.



SAFETY TEST

PDRN has completed Acute Dermal Toxicity Test, Dermal Irritation/Corrosion Test, Acute Eye Irritation/Corrosion Test, and Skin Sensitisation Test. The results show that under normal, reasonable and reasonably-foreseeable conditions of use, PDRN will not cause harm to human health.



APPLICATION

Suitable for water creams, eye patches, facial masks, and skin care products, etc.



PACKAGE AND STORAGE

- 1g/bag, 2g/bag, 5g/bag, 10g/bag, 100g/bag or customized package, Pharmaceutical low-density polyethylene (LDPE) bag with outer aluminum foil bag.
2. In an airtight container, protected from light and humidity, 2-8°C.