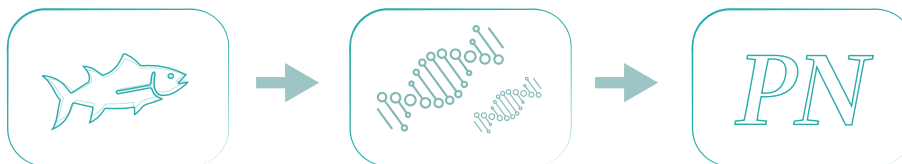


PN is a genetic code that exists in the deep ocean

# BloomseaN™ Polynucleotide

## DNA components are safe and effective

BloomseaN™ Polynucleotide(PN) is a polynucleotide chain polymer, interconnected by a multitude of nucleotides. It can exert a direct influence on both epidermal and dermal cells. This interaction can facilitate a reduction in DNA synthesis duration, decrease metabolic energy expenditure, enhance fibroblast proliferation, and stimulate regeneration of the extracellular matrix. BloomseaN™ Polynucleotide can be widely used in wound repair & healing, mesotherapy, dermal fillers, and other medical products.



**3D structure Supporting skin**  
Specific structure to provide support



**HIGHLY porous structure, honeycomb network structure**  
The weak support body during the growth of 3-DIMENSIONAL cells and extracellular matrix (ECM)

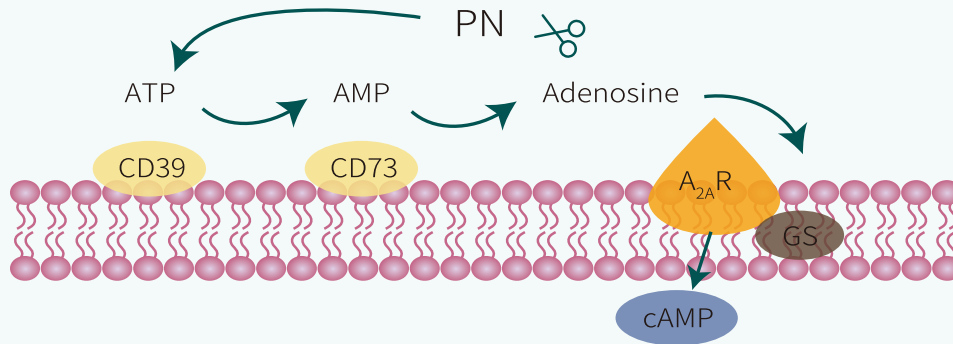


**A structure suitable for fibroblast regeneration**  
Organism fit structure

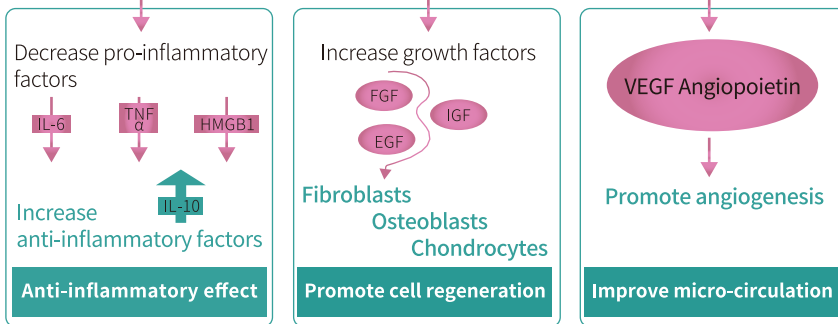


**Biodegradable, pH neutral**

# PN Mechanism of Action

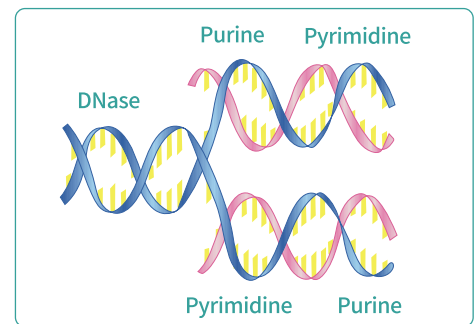


## A2 Receptor Activation



More Complete Tissue Regeneration and Wound Healing

## Salvage Pathway



Faster Tissue Regeneration and Wound Healing

## Characters of BloomseaN™

**Homology:** 98% base homology with human DNA.

**High safety:** no risk of viral infection (Viral Clearance Validation Report available), low endotoxin level (capable of below 0.05 EU/mg).

**Stability:** complete stability data support

**Other:** solutions available (use formulas in combination with HA)

## Recommended Use

Application	<ul style="list-style-type: none"> <li>• Mesotherapy</li> <li>• Dermal fillers</li> <li>• Intra-articular injection</li> <li>• Wound repair &amp; healing</li> <li>• Private care</li> </ul>
Recommended Dosage	0.05%~2.0%



## BLOOMAGE BIOTECHNOLOGY CORPORATION LIMITED

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