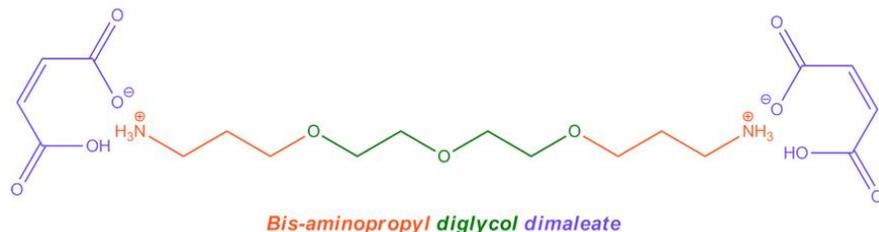




**Guangzhou Shouyi Research New Materials CO., LTD.**

### Molecular Formular



Before

After



### Production Description

Bis-Aminopropyl Diglycol Dimaleate precisely targets and repairs broken disulfide bonds within the hair—the bonds essential for its structure, strength, and stability. By rebuilding these internal bonds, Bis-Aminopropyl Diglycol Dimaleate significantly enhances hair strength, provides protection from the inside out, and instantly restores all hair types to a healthy, glossy, and resilient state.

### Basic Information

INCI Name: Bis -Aminopropyl Diglycol Dimaleate

Appearance: Light yellow liquid

CAS:1629579-82-3

pH: 2.0-4.0

Hazard Class: NO

HS Code: 2922199090

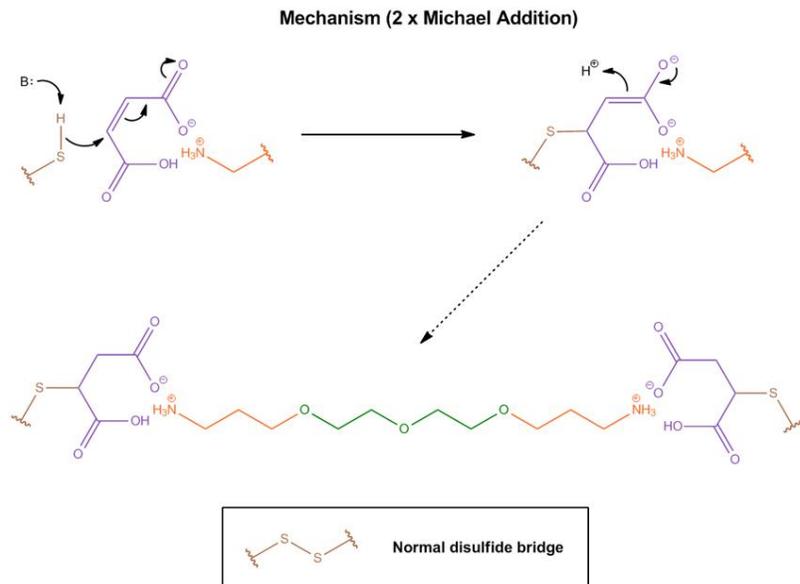
Spec. : 30KG/ PE CAN

### Main Application

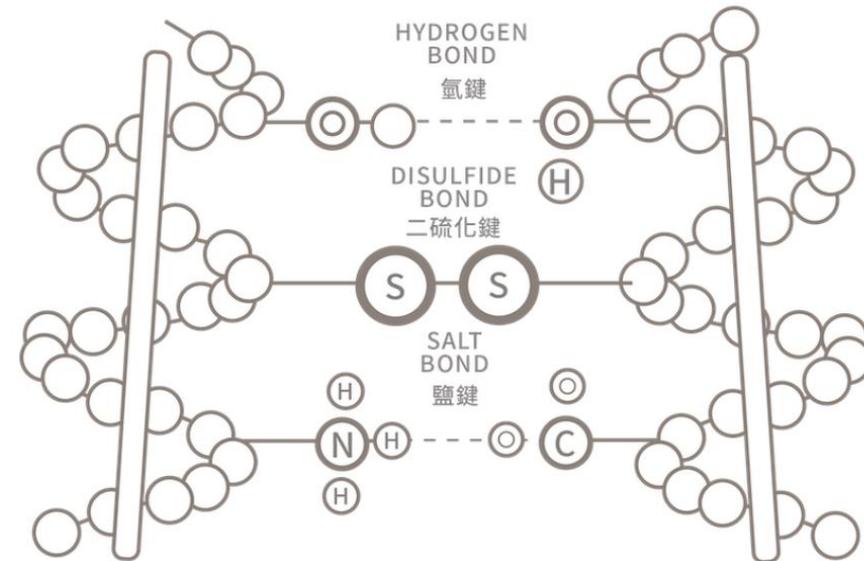
Sprays, conditioners, shampoos, creams, lotions, gels, etc.

# MECHANISM OF ACTION

## Hair Repair Action



- |                               |   |                              |
|-------------------------------|---|------------------------------|
| Broken Disulfide Bond         | → | Free sulfhydryl Groups (-SH) |
| → Maleic Acid group of BADD   | → | New covalent bounds(-S-C)    |
| → Reconstruct Keratin Network | → | Hair Repair                  |



The active ingredient Bis-Aminopropyl Diglycol Dimaleate functions through the Michael Addition reaction:  
The maleate groups (Michael Acceptors) at both ends of the molecule covalently bond with two free thiol groups (-SH), forming an Artificial Disulfide Bridge.



# CORE ADVANTAGE

THE BALANCE BETWEEN EFFICACY & SAFETY



## Highly Effective Repair

- 40% Active Crosslinker
- Completes crosslinking within 5 mins

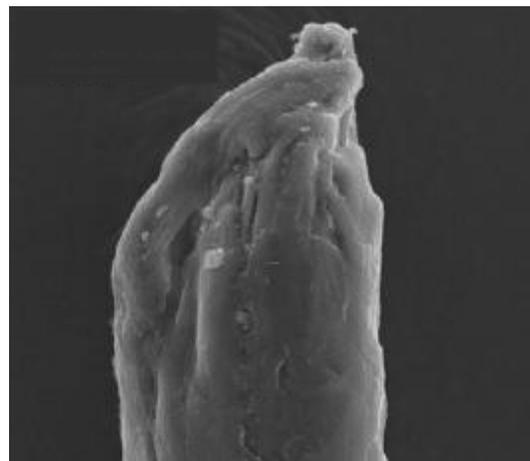


## Milder & Safer Formula

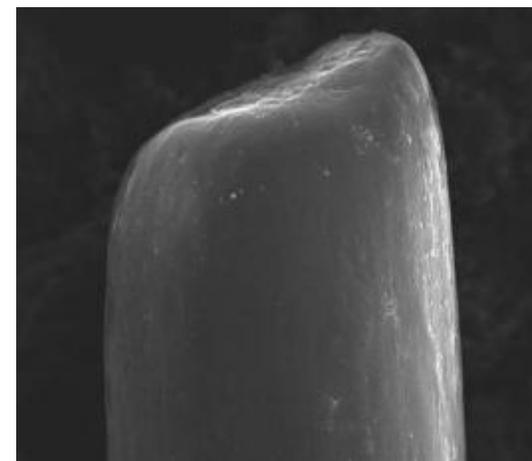
- Obtain ISO 16128 Natural Origin Index Certification
- Biodegradable, naturally breaks down over



- Exceptional Product Quality



Before:  
Damaged cuticles



After:  
Closed cuticles: Smooth, aligned cuticles



# APPLICATION & TECHNICAL SUPPORT

## Practical Applicatiuon

### Home Care

For Household Products:

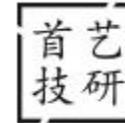
Suitable for daily maintenance, repairing minor damage, and providing protection and frizz control.

### Professional Care

Used throughout the entire salon coloring/chemical service process to reduce chemical damage and deeply repair severely damaged hair (e.g., chemical service additives, high-concentration hair masks)



Partnership Consultation:



**Guang Zhou ShouYi Research New Materials CO.,LTD.**

**Office Add:**

**Room501,Buiding863,Private Technology Park ,baiyun  
disttict.Guangzhou,China**

**Telephone/Fax:+86 20 35620542**

**Email:info@shouyiresearch.com**