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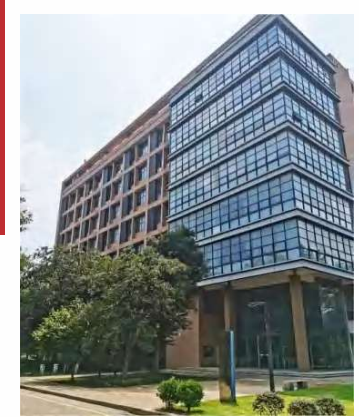
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COSROMA®



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04 2025

ABOUT US



Founded in 2017 in Shanghai, COSROMA® has been developing itself as a premium global supplier specialized in cosmetic and personal care ingredients.

COSROMA® aims at providing global customers an integrated supply solution of high quality ingredients from China.

COSROMA® not only develops and manufactures products itself, but also exclusively operates global business for other leading brands and manufacturers in China.

Thanks to our unique business strategy, COSROMA® now possesses a rich, reliable and excellent product portfolio that **covers actives, preservatives, surfactants, thickeners, emulsifiers, conditioners, UV filters, etc.**

GROUP MEMBERS

- 1 Shanghai Cosroma Biotech Co., LTD.
www.cosroma.com
- 2 COSROMA INC.
www.cosroma.com
- 3 Zhicheng (Guangdong) High and New Materials Co., LTD.
www.zhicheng-gd.com
- 4 Shanghai Jayu Biotech Co., LTD.
www.jayubiotech.com



CERTIFICATES



- ✓ ISO 9001
- ✓ ISO 45001
- ✓ ISO 14001
- ✓ REACH
- ✓ COSMOS

FACTORY QUALIFICATION



LABORATORY





PRODUCT PORTFOLIO

COSROMA®

01

PART

REACH
Registered



P05

02

PART

COSMOS
Approved



P06

03

PART

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Series

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05

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06

PART

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Products Registered With REACH



Trade Name	INCI Name
Cosroma® EAA/Cosroma® EAA-H2	3-O-Ethyl Ascorbic Acid
Cosroma® TAA	Tranexamic Acid
Cosroma® VBE	Vanillyl Butyl Ether
Cosroma® VC-IP	Ascorbyl Tetraisopalmitate
Cosroma® VC-AG	Ascorbyl Glucoside
Cosroma® VB3-50P	Niacinamide
Cosroma® VB3-10P	Niacinamide
Cosroma® DHA	Dihydroxyacetone
Cosroma® FFJ-001	Phenoxyethanol
Cosroma® FFJ-004	1,2-Hexanediol
Cosroma® FFJ-006	Pentylene Glycol
Cosroma® FFJ-006N	Pentylene Glycol

Products Approved With COSMOS



Trade Name	INCI Name
Cosroma® Glabridin-ZY	Glabridin
Cosroma® HA-ZY	Sodium Hyaluronate
Cosroma® Squalane-ZY	Squalane
Cosroma® Pentylene Glycol-ZY	Pentylene Glycol
Cosroma® AH-8-ZY	Acetyl Hexapeptide-8
Cosroma® Bakuchiol-ZY	Bakuchiol
Cosroma® Carnosine-ZY	Carnosine
Cosroma® Ceramide NP-ZY	Ceramide NP
Cosroma® Ectoin-ZY	Ectoin
Cosroma® Ergothioneine-ZY	Ergothioneine
Cosroma® CICA-ZY	Centella Asiatica Extract
Cosroma® PT-5-ZY	Palmitoyl Tripeptide-5
Cosroma® AT-5-ZY	Acetyl Tetrapeptide-5
Cosroma® THD-ZY	Tetrahexyldecyl Ascorbate
Cosroma® VC-AG-ZY	Ascorbyl Glucoside
Cosroma® VC-IP-ZY	Ascorbyl Tetraisopalmitate

03 Vitamin Series

Vitamin A

► Anti-aging, anti-wrinkle

Trade Name	INCI Name	Efficacies
Cosroma® Retinol-100	Retinol	• Epidermal renewal • Collagen stimulation • Texture refinement
Cosroma® Retinol 50C-D	Retinol (and) Polysorbate 20 (and) BHT (and) BHA	• Epidermal renewal • Collagen stimulation • Texture refinement
Cosroma® CBDH-005X	Retinol (and) Diisopropyl Sebacate (and) Dimethylmethoxy Chromanol (and) 4-t-Butylcyclohexanol (and) Bisabolol (and) Pentylene Glycol (and) Tocopheryl Acetate (and) Sorbeth-30 Tetraoleate (and) Dipropylene Glycol (and) Tocophersolan	• Hyperstable delivery • Wrinkle targeting • Photo-protection
Cosroma® Retinal-100	Retinal	• Direct conversion • Collagen regeneration • Photoaging reversal
Cosroma® Retinal-6E	Retinal (and) Water (and) Glycerin (and) Caprylic /Capric Triglyceride (and) Polysorbate 80 (and) Inulin Lauryl Carbamate (and) Sucrose Laurate (and) 1,2-Hexanediol (and) Hydroxyacetophenone	• Active conversion • Photostable anti-aging • Barrier synergy
Cosroma® CBDH-004X	Retinal (and) Diisopropyl Sebacate (and) Dimethylmethoxy Chromanol (and) 4-t-Butylcyclohexanol (and) Bisabolol (and) Pentylene Glycol (and) Tocopheryl Acetate (and) Sorbeth-30 Tetraoleate (and) Dipropylene Glycol (and) Tocophersolan	• Dual-mode delivery • Smart conversion • Sensitive skin adapted
Cosroma® BKC-100	Bakuchiol	• Retinoid alternative • Antioxidant defense • Barrier repair
Cosroma® BKC-100T	Bakuchiol	• Retinoid alternative • Antioxidant defense • Barrier repair
Cosroma® AAR-100	Retinyl Retinoate	• Dual action • Deep penetration • Photodamage repair

►Anti-aging, anti-wrinkle

Trade Name	INCI Name	Efficacies
Cosroma® AAR-3	Retinyl Retinoate (and) PPG-13-Decyltetradeceth-24 (and) Butylene Glycol (and) Caprylic/Capric Triglyceride (and) Isopropyl Lauroyl Sarcosinate (and) Benzotriazolyl Dodecyl p-Cresol (and) Diethylhexyl Syringylidenemalonate	• Retinoid synergy • Sustained efficacy • Barrier compatibility
Cosroma® BH-008T	Retinyl Palmitate (and) Glycerin (and) Water (and) Butylene Glycol (and) Caprylic/Capric Triglyceride (and) Lecithin (and) Hexylene Glycol (and) Tocopheryl Acetate	• Collagen activation • Wrinkle reduction • Texture improvement
Cosroma® HPR-100	Hydroxypinacolone Retinoate	• Sustained release • Barrier-friendly • Collagen promotion
Cosroma® HPR-10	Hydroxypinacolone Retinoate (and) Dimethyl Isosorbide	• Deep delivery • Matrix remodeling • Photodamage repair
Cosroma® CBDH-002X	Hydroxypinacolone Retinoate (and) Diisopropyl Sebacate (and) Dimethylmethoxy Chromanol (and) 4-t-Butylcyclohexanol (and) Bisabolol (and) Pentylen Glycol (and) Tocopheryl Acetate (and) Sorbeth-30 Tetraoleate (and) Dipropylene Glycol (and) Tocophersolan	• Pro-drug delivery • Target amplification • Irritation-free
Cosroma® VA-AC280F	Retinyl Acetate	• Epidermal renewal • Collagen stimulation • Photoaging repair
Cosroma® VA-PA170	Retinyl Palmitate	• Sustained anti-aging • Barrier enhancement • Antioxidant synergy
Cosroma® VAA	Retinoic Acid	• Rapid renewal • Collagen regeneration • Pore refinement
Cosroma® VA-PP100	Retinyl Propionate	• Gradual renewal • Barrier-friendly • Collagen promotion
Cosroma® VA-PP100T	Retinyl Propionate (and) BHT	• Stabilized delivery • Collagen regeneration • Antioxidant protection

Vitamin B

►Antioxidant, skin repair

Trade Name	INCI Name	Efficacies
Cosroma® VB1	Thiamine HCl	• Energy metabolism enhancement • Neuroprotection • Microcirculation improvement

►Brightening, lightening

Trade Name	INCI Name	Efficacies
Cosroma® VB3-10P	Niacinamide	• Melanin inhibition • Barrier enhancement • Anti-glycation
Cosroma® VB3-50P	Niacinamide	• Melanin inhibition • Barrier enhancement • Anti-glycation

►Sebum control, anti-acne

Trade Name	INCI Name	Efficacies
Cosroma® VB6	Pyridoxine HCl	• Lipid metabolism regulation • Anti-inflammatory • Barrier repair

►Skin repair

Trade Name	INCI Name	Efficacies
Cosroma® VB12	Cyanocobalamin	• Cell regeneration promotion • Nerve repair • Skin tone evening
Cosroma® VB2	Riboflavin	• Blue light protection • Redox balance • Energy metabolism

►Skin repair

Trade Name	INCI Name	Efficacies
Cosroma® VB2-SP	Sodium Riboflavin Phosphate	• Deep delivery • Photodamage repair • Antioxidant synergy
Cosroma® VB5	Calcium Pantothenate	• Barrier enhancement • Wound healing • Anti-inflammatory

Vitamin C

►Brightening, lightening

Trade Name	INCI Name	Efficacies
Cosroma® EAA	3-O-Ethyl Ascorbic Acid	• Tyrosinase inhibition • Collagen promotion • Photoprotection
Cosroma® EAA-H2	3-O-Ethyl Ascorbic Acid	• Tyrosinase inhibition • Collagen promotion • Photoprotection
Cosroma® VC-IP	Ascorbyl Tetraisopalmitate	• Lipid antioxidant • Melanin inhibition • Collagen regeneration
Cosroma® BH-009T	Ascorbyl Tetraisopalmitate (and) Glycerin (and) Water (and) Lecithin (and) Butylene Glycol (and) Hexylene Glycol (and) Tocopheryl Acetate	• Stabilized vitamin C derivative • Multi-pathway brightening
Cosroma® THD	Tetrahexyldecyl Ascorbate	• Deep penetration • Tyrosinase inhibition • Photoaging repair

►Brightening, lightening

Trade Name	INCI Name	Efficacies
Cosroma® VC-AG	Ascorbyl Glucoside	• Tyrosinase inhibition • Collagen promotion • Antioxidant stabilization
Cosroma® SAP	Sodium Ascorbyl Phosphate	• Brightening • Anti-acne • Sebum control
Cosroma® AP	Ascorbyl Palmitate	• Brightening • Photorepair • Lipid peroxidation defense
Cosroma® MAP	Magnesium Ascorbyl Phosphate	• Water-soluble stability • Melanin reduction • Photoprotection

Vitamin E

►Anti-aging, anti-wrinkle

Trade Name	INCI Name	Efficacies
Cosroma® VE-HP100	Tocopheryl Succinate	• Mitochondrial protection • Apoptosis regulation • Photoaging repair

Vitamin E

►Antioxidant, skin repair

Trade Name	INCI Name	Efficacies
Cosroma® Natural VE100-D	Tocopherol	• Free radical scavenging • Lipid protection • Photoaging repair
Cosroma® Natural VE70-H	Tocopherol	• Free radical scavenging • Lipid protection • Photoaging repair
Cosroma® Natural VE95-H	Tocopherol	• Free radical scavenging • Lipid protection • Photoaging repair
Cosroma® VE100-DL	Tocopherol	• Free radical scavenging • Lipid protection • Photoaging repair
Cosroma® VEA	Tocopheryl Acetate	• Sustained antioxidant • Barrier enhancement • Photoprotection
Cosroma® VEN-100	Tocopheryl Nicotinate	• Microcirculation improvement • Antioxidant defense • Barrier strengthening
Cosroma® VEN-40	Tocopheryl Nicotinate (and) Caprylic/Capric Triglyceride	• Enhanced antioxidant • Lipid delivery • Barrier repair

Vitamin K

►Anti-aging, anti-wrinkle

Trade Name	INCI Name	Efficacies
Cosroma® VK2	Menaquinone-7	• Collagen regeneration • Elastic fiber protection • Anti-calcification

►Anti-inflammatory, skin repair

Trade Name	INCI Name	Efficacies
Cosroma® VK1-H100	Phytonadione Epoxide	• Improve vascular leakage-related dark circles • Modulate inflammation • Strengthen skin barrier

Triple Vitamins

►Anti-aging, anti-wrinkle

Trade Name	INCI Name	Efficacies
Cosroma® BH-011T	Retinyl Palmitate (and) Tocopheryl Acetate (and) Ascorbyl Tetraisopalmitate (and) Glycerin (and) Water (and) Lecithin (and) Butylene Glycol (and) Hexylene Glycol	• Synergistic antioxidant • Collagen renewal • Photodamage repair



04 Peptide Series

►Anti-aging

Trade Name	INCI Name	Efficacies
Cosroma® 9N-1	Nonapeptide-1	• Photoaging protection • DNA repair • Antioxidant
Cosroma® CNS	Carnosine	• Antioxidant • Anti-glycation • Photoaging protection
Cosroma® 10T-12	Decapeptide-12	• Anti-sagging • Elasticity boost • Ecm stimulation
Cosroma® M4T-12	Myristoyl Tetrapeptide-12	• Anti-sagging • Facial lifting • Basement membrane repair
Cosroma® 10T-10	Decapeptide-10	• Anti-sagging • Facial lifting • Basement membrane repair
Cosroma® P6T-14	Palmitoyl Hexapeptide-14	• Basement membrane repair • Photoaging protection • Elasticity boost
Cosroma® PP-4	Palmitoyl Pentapeptide-4	• Collagen regeneration • Anti-sagging • Elasticity boost
Cosroma® P3T-38	Palmitoyl Tripeptide-38	• Collagen synthesis • Anti-aging • Barrier repair
Cosroma® CT-1	Copper Tripeptide-1	• Collagen synthesis • Antioxidant • Anti-inflammatory
Cosroma® P6T-12	Palmitoyl Hexapeptide-12	• Ecm stimulation • Firming • Anti-sagging
Cosroma® PT-1	Palmitoyl Tripeptide-1	• Ecm stimulation • Photoaging protection • Firming
Cosroma® D-Carnosine	Decarboxy Carnosine HCL	• Enhanced antioxidant • Anti-inflammatory • Regeneration

*The above peptides could provide in liquid form.

►Anti-aging

Trade Name	INCI Name	Efficacies
Cosroma® 3T-29	Tripeptide-29	• Photoaging protection • DNA repair • Antioxidant
Cosroma® M6T-16	Myristoyl Hexapeptide-16	• Photoaging protection • DNA repair • Antioxidant
Cosroma® 3T-32	Tripeptide-32	• Photoaging protection • DNA repair • Antioxidant
Cosroma® GT-1	Oligopeptide-1	• Signal transduction • Anti-aging • Barrier repair
Cosroma® 3T-1	Tripeptide-1	• Wound healing • Anti-aaging • Barrier strengthening
Cosroma® 7T-14	Heptapeptide-14	• Anti-sagging • Facial lifting • Basement membrane repair
Cosroma® 4T-21	Tetrapeptide-21	• Photoaging protection • DNA repair • Antioxidant

►Anti-edema

Trade Name	INCI Name	Efficacies
Cosroma® AT-9	Acetyl Tetrapeptide-9	• Anti-edema • Contouring • Lymphatic drainage
Cosroma® 5T-18	Pentapeptide-18	• Anti-edema • Lymphatic drainage • Contouring
Cosroma® 2T-2	Dipeptide-2	• Anti-edema • Lymphatic drainage • Contouring
Cosroma® A4T-15	Acetyl Tetrapeptide-15	• Anti-edema • Lymphatic drainage • Contouring
Cosroma® 4T-4	Tetrapeptide-4	• Lymphatic drainage • Anti-edema • Contouring

*The above peptides could provide in liquid form.

►Skin barrier repair, anti-inflammation

Trade Name	INCI Name	Efficacies
Cosroma® M2T-13	Myristoyl Dipeptide-13	• Anti-inflammatory • Antioxidant • Barrier repair
Cosroma® P4T-10	Palmitoyl Tetrapeptide-10	• Anti-inflammatory • Antioxidant • Barrier repair
Cosroma® PT-7	Palmitoyl Tetrapeptide-7	• Anti-inflammatory • Antioxidant • Barrier repair

►Hair growth, anti-hair loss

Trade Name	INCI Name	Efficacies
Cosroma® 2T-4	Dipeptide-4	• Hair growth promotion • Hair strengthening • Anti-hair loss
Cosroma® BT-1	Biotinoyl Tripeptide-1	• Hair growth promotion • Hair strengthening • Anti-hair loss

►Instant firming

Trade Name	INCI Name	Efficacies
Cosroma® 3D-B	Dipeptide Diaminobutyryl Benzylamide Diacetate	• Instant firming • Long-term anti-wrinkle • Soothing
Cosroma® JLT-100	Arginine/Lysine Polypeptide	• Instant firming • Anti-wrinkle • Moisturizing

*The above peptides could provide in liquid form.

►Anti-pollution, skin barrier repair

Trade Name	INCI Name	Efficacies
Cosroma® GT-68	Oligopeptide-68	• Anti-pollution • Barrier protection • Antioxidant
Cosroma® 6T-11	Hexapeptide-11	• Anti-pollution • Barrier strengthening • Antioxidant

►Anti-wrinkle

Trade Name	INCI Name	Efficacies
Cosroma® AH-8	Acetyl Hexapeptide-8	• Anti-expression lines • Neurotransmitter inhibition • Firming
Cosroma® 3A3T-2	Trifluoroacetyl Tripeptide-2	• Anti-wrinkle • Skin firming • Reducing progerin synthesis
Cosroma® AO-3	Acetyl Octapeptide-3	• Dynamic wrinkle reduction • Muscle relaxation • Smoothing
Cosroma® A5T-1	Acetyl Pentapeptide-1	• Dynamic wrinkle reduction • Muscle relaxation • Smoothing
Cosroma® A3T-1	Acetyl Tripeptide-1	• Dynamic wrinkle reduction • Muscle relaxation • Smoothing
Cosroma® 8T-2	Octapeptide-2	• Dynamic wrinkle reduction • Muscle relaxation • Smoothing
Cosroma® PT-8	Palmitoyl Tripeptide-8	• Dynamic wrinkle reduction • Muscle relaxation • Smoothing
Cosroma® A6T-38	Acetyl Hexapeptide-38	• Dynamic wrinkle reduction • Neurotransmitter inhibition • Smoothing
Cosroma® T10-C	Tripeptide-10 Citrulline	• Improving skin elasticity • Increasing skin firmness • Enhancing skin quality
Cosroma® 6T-3	Hexapeptide-3	• Static wrinkle reduction • Collagen stimulation • Firming

*The above peptides could provide in liquid form.

►Anti-wrinkle

Trade Name	INCI Name	Efficacies
Cosroma® 6T-2	Hexapeptide-2	• Static wrinkle reduction • Collagen stimulation • Firming
Cosroma® A6T-1	Acetyl Hexapeptide-1	• Static wrinkle reduction • Collagen stimulation • Firming
Cosroma® A4T-1	Acetyl Tetrapeptide-1	• Dynamic wrinkle reduction • Muscle relaxation • Smoothing

►Brightening, lightening

Trade Name	INCI Name	Efficacies
Cosroma® 6T-10	Hexapeptide-10	• Melanin transfer inhibition • Brightening • Skin tone evenness
Cosroma® A4T-30	Acetyl Tetrapeptide-30	• Whitening and brightening • Anti-aging and wrinkle reduction • Antioxidant

►Dark circle reduction

Trade Name	INCI Name	Efficacies
Cosroma® AT-11	Acetyl Tetrapeptide-11	• Dark Circle Reduction • Microcirculation • Antioxidant
Cosroma® A4T-2	Acetyl Tetrapeptide-2	• Dark Circle Reduction • Microcirculation • Antioxidant
Cosroma® AT-5	Acetyl Tetrapeptide-5	• Dark Circle Reduction • Microcirculation • Antioxidant
Cosroma® AT-3	Acetyl Tetrapeptide-3	• Dark Circle Reduction • Microcirculation • Antioxidant
Cosroma® A7T-4	Acetyl Heptapeptide-4	• Dark Circle Reduction • Microcirculation • Antioxidant

*The above peptides could provide in liquid form.

Pure Ceramides

Cosroma® Ceramide NP-100GL

01

INCI Name	Ceramide NP
Specifications	100%
Key Benefits	• Antioxidant protection • Barrier reinforcement • Collagen synthesis • Photoaging prevention
Benefits Description	• Dual Antioxidant: Olive polyphenols synergize with ceramide structure to activate SOD via Nrf2/ARE pathway. • Photoaging Defense: Specifically inhibits UVB-induced MMP-1 activity protecting collagen IV. • Lipid Synergy: C24 very-long-chain FA combines with olive sterols for denser lamellar structure (27% stronger barrier). • Plant Synergy: Oleuropein enhances antioxidant network with better oxidation resistance than animal-derived NP.

>>> Antioxidant Barrier Repair

Cosroma® Ceramide NP-100S

02

INCI Name	Ceramide NP
Specifications	100%
Key Benefits	• Immediate repair • Emergency hydration • TEWL reduction • Lipid synthesis boost
Benefits Description	• Structural Priority: Classic "mortar" configuration with C18 FA enables fastest barrier patching. • Synthesis Activation: Stimulates HMG-CoA reductase via SREBP-2. • Hydration Boost: Upregulates AQP3 for accelerated epidermal hydration. • Acute Focus: Excels in emergency repair compared to long-acting EOP, though with shorter duration.

>>> Rapid Barrier Recovery

Cosroma® Ceramide NP-100SB

03

INCI Name	Ceramide NP
Specifications	100%
Key Benefits	• Daily barrier support • Moisture retention • Flexibility enhancement • Basic hydration
Benefits Description	• Foundational Support: C16-C22 mixed-chain FAs form versatile lamellar structures. • Elasticity Optimization: Balances saturated/unsaturated FA ratios. • Cost Efficiency: 40% lower cost than plant-derived NP via microbial fermentation. • Functional Positioning: Lacks olive NP's antioxidants but ideal for daily maintenance, reducing irritation when combined with active ceramides.

>>> Basic Barrier Maintenance

Ceramide Series

Cosroma® Ceramide NS-100

04

INCI Name Ceramide NS

Specifications 100%

Key Benefits

- Multi-barrier repair
- Anti-inflammatory
- Oxidative stress resistance
- Sebum-water balance

Benefits Description

- **Tri-barrier Repair:** Simultaneously restores physical (lipids), chemical (pH), and immune (antimicrobial peptides) barriers.
- **Inflammation Control:** Dual inhibition of IL-1 β /TNF- α via Ahr and NF- κ B pathways.
- **Smart Sebum Control:** Modulates sebocyte differentiation via PPAR γ .
- **Systemic Advantage:** Unique 1:1 ceramide-sphingosine complex provides 40% more repair dimensions than single ceramides.

>>> Comprehensive Barrier Repair

Cosroma® Ceramide AP-100

05

INCI Name Ceramide AP

Specifications 100%

Key Benefits

- Keratinocyte maturation
- Roughness improvement
- Desquamation reduction
- Mechanical barrier

Benefits Description

- **Differentiation Control:** Upregulates Loricrin and Filaggrin via PPAR δ .
- **Desquamation Regulation:** Modulates KLK5 activity for optimized corneocyte shedding.
- **Structural Reinforcement:** α -hydroxy acid structure enhances lipid-protein crosslinks.
- **Functional Focus:** Unlike NP's lipid repair, AP specifically improves keratinization disorders for ichthyosis-prone skin.

>>> Epidermal Differentiation

Cosroma® Ceramide AS-100

06

INCI Name Ceramide AS

Specifications 100%

Key Benefits

- Follicular unclogging
- Comedone prevention
- Microbiome balance
- Sebum control

Benefits Description

- **Follicular Penetration:** C8 short-chain FA enhances follicular delivery (3x higher than NS).
- **Comedolysis:** Activates follicular lipase to breakdown saturated Fas.
- **Microbiome Modulation:** Inhibits C.acnes via TLR2 pathway.
- **Targeted Action:** Only sulfonated ceramide targeting sebocyte PPAR γ with gentler action than salicylic acid.

>>> Follicular Targeting

Cosroma® Ceramide EOP-100

07

INCI Name Ceramide EOP

Specifications 100%

Key Benefits

- Collagen regeneration
- Wrinkle reduction
- DEJ reinforcement
- Anti-glycation

Benefits Description

- **Collagen Activation:** Stimulates type I collagen via TGF- β /Smad pathway.
- **DEJ Enhancement:** Upregulates laminin-332 at dermal-epidermal junction.
- **Anti-glycation:** Blocks AGEs crosslinking at semicarbazide-sensitive sites.
- **Sustained Release:** Esterified oleic acid structure provides 3x longer anti-aging effects than NP, though with slower onset.

>>> Long-term Anti-aging

Cosroma® Ceramide NG-100

08

INCI Name Ceramide NG

Specifications 100%

Key Benefits

- Neuro-sensitivity relief
- Enhanced hydration
- Stinging reduction
- TRPV1 repair

Benefits Description

- **Neuro Modulation:** Reduces neurogenic inflammation by inhibiting substance P and CGRP.
- **Ionic Balance:** Stabilizes intercellular osmolality via calcium-sensing receptors (CaSR).
- **Receptor Repair:** Restores TRPV1 membrane microenvironment.
- **Unique Structure:** Only ceramide with ganglioside-like configuration, superior for neurosensitive dryness compared to NS.

>>> Neuro-protective Moisturizing

Cosroma® DGC-100

09

INCI Name Cholesterol

Specifications 100%

Key Benefits

- Strengthen skin barrier
- Promote lipid synthesis
- Emollient moisturizing
- Antioxidant support

Benefits Description

- **Barrier Reinforcement:** Core lipid component forming lamellar structures with ceramides and fatty acids.
- **Lipid Synthesis Activation:** Stimulates endogenous lipid production via HMG-CoA reductase pathway.
- **Hydration Optimization:** Sterol structure improves lipid alignment for water retention.
- **Synergistic Effect:** Requires 3:1:1 ratio with ceramides for enhanced bioactivity compared to single lipids.

>>> Barrier Repair & Moisturizing

Cosroma® QAC-SYX100

10

INCI Name Salicyloyl Phytosphingosine

Specifications 100%

Key Benefits

- Gentle exfoliation
- Oil control
- Anti-biofilm
- Penetration enhancement

Benefits Description

- **Dual Exfoliation:** Salicyloyl group dissolves corneodesmosomes while sphingoid base regulates serine protease activity.
- **Microbiome Balance:** Disrupts *C. acnes* biofilm without harming beneficial flora.
- **Smart Sebum Control:** Modulates sebocyte differentiation via PPAR γ .
- **Delivery Synergy:** Amphiphilic structure enhances follicular delivery with less irritation than salicylic acid.

>>> Keratin Regulation

Cosroma® QAC-ZW100

11

INCI Name Phytosphingosine

Specifications 100%

Key Benefits

- Broad-spectrum antimicrobial
- Sebum regulation
- Inhibit inflammatory factors
- Barrier repair

Benefits Description

- **Microbial Control:** Cationic properties disrupt bacterial membrane potential, specifically targeting *C. acnes*.
- **Anti-inflammatory Action:** Inhibits NF- κ B pathway to reduce IL-6 and TNF- α .
- **Sebum Regulation:** Modulates FABP expression for sebum control.
- **Dual Repair:** Stimulates ceramide synthesis while being gentler than chemical antimicrobials.

>>> Antimicrobial & Anti-inflammatory

Cosroma® ZWZC-DD-100

12

INCI Name Phytosterols

Specifications 100%

Key Benefits

- Antioxidant protection
- Photoaging reduction
- Barrier enhancement
- Collagen synthesis

Benefits Description

- **Free Radical Scavenging:** Sterol structure quenches singlet oxygen, protecting membrane lipids.
- **Photoaging Defense:** Suppresses UV-induced MMP-1 activity to preserve collagen.
- **Barrier Support:** Compensates endogenous sterol loss.
- **Plant Synergy:** Soy isoflavones enhance antioxidant network with better stability than animal-derived sterols.

>>> Anti-aging & Protection

Cosroma® ZWZC-SM-100

13

INCI Name Phytosterols

Specifications 100%

Key Benefits

- Rapid anti-inflammatory
- Soothing irritation
- Wound healing
- Histamine inhibition

Benefits Description

- **Acute Anti-inflammation:** Activates GR α to suppress COX-2 pathway.
- **Wound Healing:** Enhances keratinocyte migration and angiogenic factors.
- **Instant Soothing:** Blocks TRPV1 receptor for irritation relief.
- **Plant Specificity:** Unique diterpene structure improves lipophilicity with 30% higher penetration than soy sterols.

>>> Anti-inflammatory & Repair

Single Ceramide Encapsulation

Cosroma® Ceramide EOP2-Y1

01

INCI Name Ceramide EOP (and) Tocopheryl Acetate (and) Hexyl Decanol (and) Neopentyl Glycol Diheptanoate (and) Di-C12-13 Alkyl Malate (and) Polyglyceryl-10 Stearate

Specifications Single Ceramide 2%: Ceramide EOP

Key Benefits • Deep moisturization • Antioxidant protection • Seasonal dryness relief

Benefits Description Cosroma® Ceramide EOP2-Y1 is a Ceramide EOP active ingredient developed using specialized formulation technology.

- **Ceramide EOP Content:** 2%.
- **Oil-soluble:** Compatible with transparent formulations such as serum oils, cleansing oils, emulsions, and creams
- **Specialty:** Tailored for transparent formulation systems
- **Efficacy:** Oil-soluble Ceramide EOP rapidly penetrates deep into the stratum corneum, filling lipid gaps to relieve seasonal or air-conditioning-induced dryness. Synergizes with antioxidants to delay lipid peroxidation, maintaining skin suppleness.

>>> Phytosphingosine Water-Oil Solubilization

Cosroma® Ceramide NP50-Y1

02

INCI Name Ceramide NP (and) Polyglyceryl-2 Triisostearate (and) Caprylyl Glycol (and) Ethylhexylglycerin

Specifications Ceramide NP 50%

Key Benefits • Intensive repair for extreme dryness • barrier regeneration

Benefits Description Cosroma® Ceramide NP50-Y1 is a Ceramide NP active ingredient prepared using specialized formulation technology.

- **Ceramide NP Content:** 50%.
- **Oil-soluble:** Suitable for opaque formulations like balms, lipsticks, cleansing balms, and emulsions.
- **Highlight:** Optimized for high-ceramide-content products.
- **Efficacy & Mechanism:** Intensive repair for severely dry and compromised skin; ultra-high Ceramide NP replenishes stratum corneum lipids via oil-soluble carriers; sustained-release synergizes with plant butters (e.g., shea butter) to enhance restorative efficacy.

>>> Intensive Nourishing Repair

Multi-Ceramides Encapsulation

Cosroma® Ceramide 3C1.5-Y1

01

INCI Name Ceramide NP (and) Ceramide AP (and) Ceramide EOP (and) Phytosphingosine (and) Octyldodecanol (and) 1,2-Pentanediol

Specifications Triple Ceramides 1.5%: Ceramide NP, Ceramide AP, Ceramide EOP

Key Benefits • Lightweight hydration • Oily skin balance • Pollution defense

Benefits Description Cosroma® Ceramide 3C1.5-Y1 is a multi-ceramide active ingredient formulated with specialized technology.

- **Composition & Content:** Triple ceramides (NP, AP, EOP), total content 1.5%.
- **Oil-soluble:** Designed for transparent formulations including serum oils, cleansing oils, emulsions, and creams.
- **Specialty:** Optimized for transparent formulation systems.
- **Efficacy:** Lightweight oil-soluble ceramides integrate seamlessly into transparent formulas, offering non-greasy hydration to relieve dryness-induced tightness. Strengthens the hydrolipidic film, defends against environmental pollutants, and suits oily skin or daily barrier maintenance in humid climates.

>>> Oily-Sensitive Skin Non-Comedogenic Protection

Cosroma® Ceramide 3C20-Y2

02

INCI Name Ceramide NP (and) Ceramide EOP (and) Ceramide NG (and) Tocopheryl Acetate (and) Caprylic/Capric Triglyceride (and) Polyglyceryl-2 Triisostearate (and) PEG-40 Hydrogenated Castor Oil (and) Octyldodecanol (and) Ethylhexylglycerin

Specifications Triple Ceramides 20%: Ceramide NP, Ceramide EOP, Ceramide NG

Key Benefits • Extreme dryness rescue • Occlusive repair • Hand/foot care

Benefits Description Cosroma® Ceramide 3C20-Y2 is a multi-ceramide active ingredient formulated with specialized technology.

- **Composition & Content:** Triple ceramides (NP, NG, EOP), total content 20%.
- **Oil-soluble:** Applicable to non-transparent formulations such as ointments, lip balms, cleansing balms, and emulsions.
- **Specialty:** Optimized for high-ceramide concentration products.
- **Efficacy:** High-concentration ceramide ointment provides occlusive repair for extreme dryness like cracking or peeling. Mimics sebum structure to reduce penetration of irritants, ideal for hand/foot care or winter emergency hydration.

>>> High-Occlusion Physical Barrier

Cosroma® Ceramide 3C2-Y1

03

INCI Name Ceramide NP (and) Ceramide AP (and) Ceramide EOP (and) Phytosphingosine (and) Phytosterols (and) Hydrogenated Phosphatidylcholine (and) Glycerin (and) Butylene Glycol (and) Water

Specifications Triple Ceramides 2%: Ceramide NP, Ceramide AP, Ceramide EOP

Key Benefits

- Barrier repair
- Dryness reduction
- Sensitivity relief

Benefits Description

Cosroma® Ceramide 3C2-Y1 is a multi-ceramide active ingredient prepared with specialized formulation technology.

- **Composition & Content:** Triple ceramides (NP, AP, EOP), total content 2%.
- **Water-soluble:** Applicable to non-transparent formulations like serums, emulsions, and creams.
- **Efficacy:** The triple ceramide complex (NP, AP, EOP) replenishes skin lipids, repairs barrier integrity, and reduces dryness. Enhances stratum corneum hydration, alleviates sensitivity and redness caused by over-cleansing or environmental stressors, ideal for long-term repair and stabilization of dry, sensitive skin.

>>> Liposome Targeted Barrier Repair

Cosroma® Ceramide 3C2-S1

04

INCI Name Ceramide NP (and) Ceramide AP (and) Ceramide EOP (and) Hydrogenated Lecithin (and) Hexyl Decanol (and) Steareth-2 (and) Neopentyl Glycol Diheptanoate (and) Glycerin (and) Butylene Glycol (and) Phenoxyethanol (and) 1,2-Hexanediol (and) Water

Specifications Triple Ceramides 2%: Ceramide NP, Ceramide AP, Ceramide EOP

Key Benefits

- Barrier reinforcement
- Tolerance improvement
- Acid treatment priming

Benefits Description

Cosroma® Ceramide 3C2-S1 is a multi-ceramide active ingredient utilizing encapsulation technology.

- **Composition & Content:** Triple ceramides (EOP, NP, AP), total content 2%.
- **Water-soluble:** Applicable to non-transparent formulations like serums, emulsions, and creams.
- **Technical Advantages:** Encapsulation improves ceramide stability, transdermal delivery, absorption performance, with sustained-release and synergistic effects.
- **Efficacy:** Water-soluble triple ceramides mimic natural lipid ratios to repair barrier thinning from excessive exfoliation or acid treatments. Boosts skin tolerance, soothes stinging sensations, and serves as a gentle base for potent skincare regimens.

>>> Liposome Targeted Barrier Repair

Cosroma® Ceramide 5C20-Y1

05

INCI Name Ceramide NP (and) Ceramide AP (and) Ceramide NG (and) Ceramide AS (and) Ceramide EOP (and) Phytosphingosine (and) Phytosterols (and) Hydrogenated Lecithin (and) Cetearyl Glucoside (and) Sorbitan Oliviate (and) Behenic Acid

Specifications Penta Ceramides 20%: Ceramide NP, Ceramide AP, Ceramide NG, Ceramide AS, Ceramide EOP

Key Benefits

- Barrier restoration
- Adjunctive therapy for severe dermatitis
- Anti-pruritic

Benefits Description

Cosroma® Ceramide 5C20-Y1 is a multi-ceramide active ingredient prepared with specialized formulation technology.

- **Composition & Content:** Penta ceramides (NP, AP, NG, AP, EOP), total content 20%.
- **Oil-soluble:** Suitable for non-transparent formulations including ointments, lip balms, cleansing balms, and emulsions.
- **Specialty:** Especially designed for high-ceramide content formulations.
- **Efficacy:** High-concentration penta-ceramides target the repair of epidermal lipid bilayers, rapidly alleviating flaking and itching caused by barrier damage. Strengthens skin's resistance to external aggressors, improves elasticity, and supports adjunctive therapy for severe barrier dysfunction such as eczema and atopic dermatitis.

>>> Dermatitis Lipid Bilayer Restructuring

Cosroma® Ceramide 5C5-S1

06

INCI Name Ceramide NP (and) Ceramide EOP (and) Ceramide NG (and) Ceramide AS (and) Ceramide AP (and) Hydrogenated Lecithin (and) Cholesterol (and) Cetearyl Oliviate (and) Sorbitan Oliviate (and) Glycerin (and) Caprylic/Capric Triglyceride (and) Water

Specifications Penta Ceramides 5%: Ceramide NP, Ceramide EOP, Ceramide NG, Ceramide AS, Ceramide AP

Key Benefits

- Pore refinement
- Anti-inflammatory sebum control
- Acne-prone skin balance

Benefits Description

Cosroma® Ceramide 5C5-S1 is a multi-ceramide active ingredient developed via encapsulation technology.

- **Composition & Content:** Penta ceramides (NP, NG, EOP, AS, AP), total content 5%.
- **Water-soluble:** Designed for non-transparent formulations including serum oils, cleansing oils, emulsions, and creams.
- **Technical Advantages:** Encapsulation enhances ceramide stability, skin permeability, absorption efficiency, combined with sustained-release and synergistic performance.
- **Efficacy:** Water-soluble penta-ceramides with phytosphingosine promote orderly keratinocyte alignment to refine enlarged pores. Balances skin pH to acidic levels, inhibits harmful microbes, and supports barrier equilibrium in acne-prone skin.

>>> Lipid-Microbiota Bidirectional Regulation

06 Encapsulation Series

►Anti-aging, anti-wrinkle

Cosroma® CBDH-005X

INCI Name Retinol (and) Diisopropyl Sebacate (and) Dimethylmethoxy Chromanol (and) 4-t-Butylcyclohexanol (and) Bisabolol (and) Pentylene Glycol (and) Tocopheryl Acetate (and) Sorbeth-30 Tetraoleate (and) Dipropylene Glycol (and) Tocophersolan

Specifications Retinol 6%

Key Benefits

- Stimulate collagen regeneration
- Enhance skin barrier
- Improve photoaging
- Regulate keratin metabolism

Benefits Description

- **Molecular Targeted Delivery:** Retinol combined with ionic liquid technology targets conversion to retinoic acid, activating collagen synthesis pathways in dermal fibroblasts to enhance collagen and elastin production.
- **Anti-inflammatory Repair:** Specifically inhibits UV-induced collagen-degrading enzymes to reduce photoaging damage.
- **Carrier Enhancement:** The ionic liquid carrier improves epidermal penetration through charge interactions while reducing irritation and enhancing stability compared to conventional retinol formulations.

Cosroma® Retinal-6E

INCI Name Retinal (and) Glycerin (and) Caprylic/Capric Triglyceride (and) Polysorbate 80 (and) Inulin Lauryl Carbamate (and) Sucrose Laurate (and) 1,2-Hexanediol (and) Hydroxyacetophenone (and) Water

Specifications Retinal 6%

Key Benefits

- Rapid wrinkle reduction
- Improve skin radiance
- Activate cellular regeneration
- Regulate sebum

Benefits Description

- **Receptor Activation:** Retinaldehyde directly activates RAR receptors in epidermal basal cells to promote keratinocyte differentiation and dermal ECM remodeling, rapidly reducing wrinkle depth.
- **Biotransformation Efficiency:** Efficiently converts to retinoic acid to stimulate fibroblast secretion of hyaluronic acid and laminin for skin firmness.
- **Delivery System Optimization:** The fat emulsion system enhances transdermal absorption of lipophilic compounds while reducing oxidation risks. Compared to retinol, it has a shorter metabolic pathway with faster efficacy and superior light stability.

Cosroma® CBDH-004X

INCI Name Retinal (and) Diisopropyl Sebacate (and) Dimethylmethoxy Chromanol (and) 4-t-Butylcyclohexanol (and) Bisabolol (and) Pentylene Glycol (and) Tocopheryl Acetate (and) Sorbeth-30 Tetraoleate (and) Dipropylene Glycol (and) Tocophersolan

Specifications Retinal 10%

Key Benefits

- Deep wrinkle reduction
- Antioxidant protection
- Barrier reinforcement
- Epidermal renewal

Benefits Description

- **Polarity Compatibility:** Retinaldehyde combined with ionic liquid technology forms reversible ion pairs to enhance polarity compatibility and transdermal absorption efficiency.
- **Inflammatory Pathway Regulation:** Targets inhibition of NF-κB pathway to reduce inflammatory factors and collagen loss from oxidative stress.
- **Antioxidant Synergy:** Synergistically activates the Nrf2-ARE antioxidant pathway to elevate endogenous SOD and glutathione levels. Compared to standard retinaldehyde formulations, it demonstrates superior penetration, anti-inflammatory efficacy, and dual repair of epidermal-dermal damage.

Cosroma® CBDH-004

INCI Name Retinal (and) 4-t-Butylcyclohexanol (and) Bisabolol (and) PEG-40 Hydrogenated Castor Oil (and) Caprylic/Capric Triglyceride (and) Polysorbate 80 (and) Tocopheryl Acetate (and) Dimethylmethoxy Chromanol (and) Hydrogenated Lecithin (and) PPG-26-Buteth-26 (and) Water

Specifications Retinal 10%

Key Benefits

- Deep wrinkle reduction
- Antioxidant protection
- Barrier reinforcement
- Epidermal renewal

Benefits Description

- **Polarity Compatibility:** Retinaldehyde combined with ionic liquid technology forms reversible ion pairs to enhance polarity compatibility and transdermal absorption efficiency.
- **Inflammatory Pathway Regulation:** Targets inhibition of NF-κB pathway to reduce inflammatory factors and collagen loss from oxidative stress.
- **Antioxidant Synergy:** Synergistically activates the Nrf2-ARE antioxidant pathway to elevate endogenous SOD and glutathione levels. Compared to standard retinaldehyde formulations, it demonstrates superior penetration, anti-inflammatory efficacy, and dual repair of epidermal-dermal damage.

Cosroma® CBDH-002X

INCI Name Hydroxypinacolone Retinoate (and) Diisopropyl Sebacate (and) Dimethylmethoxy Chromanol (and) 4-t-Butylcyclohexanol (and) Bisabolol (and) Pentyleneglycol (and) Tocopheryl Acetate (and) Sorbeth-30 Tetraoleate (and) Dipropylene Glycol (and) Tocophersolan

Specifications Hydroxypinacolone Retinoate 5%

Key Benefits

- Inhibit tyrosinase
- Promote keratinocyte turnover
- Block melanin transfer
- Anti-wrinkle synergy

Benefits Description

- **Dual Whitening Action:** Hydroxypinacolone retinoate combines retinoic acid with antioxidant groups via ester bonds to gradually release active components in skin, dually inhibiting tyrosinase activity and melanosome transfer to keratinocytes.
- **Metabolic Regulation:** Activates PPARγ receptors to promote orderly stratum corneum shedding and improve skin tone uniformity.
- **Delivery System Innovation:** The ionic liquid fat emulsion system overcomes the transdermal barrier of traditional retinoic acid formulations while minimizing irritation. Compared to single retinoic acid or hydroquinone derivatives, it offers comprehensive whitening with anti-aging synergy.

Cosroma® AAR-3

INCI Name Retinyl Retinoate (and) PPG-13-Decyltetradeceth-24 (and) Butylene Glycol (and) Caprylic/Capric Triglyceride (and) Isopropyl Lauroyl Sarcosinate (and) Benzotriazolyl Dodecyl p-Cresol (and) Diethylhexyl Syringylidenemalonate

Specifications Retinyl Retinoate 3%

Key Benefits

- Dual retinoid synergy
- Photodamage repair
- Collagen stimulation
- Sustained release

Benefits Description

- **Biphasic Retinoid Precursor:** Covalently bonded retinol-retinoic acid forms self-assembled dual-phase retinoid precursors that convert to active forms in stages within skin, prolonging efficacy while reducing irritation.
- **Matrix Protection Mechanism:** Simultaneously activates RAR/RXR nuclear receptors to enhance TIMP-1 expression and inhibit collagen degradation by matrix metalloproteinases.
- **Biomimetic Delivery Design:** Fat emulsion particles mimic skin lipid structures for targeted delivery, preferentially accumulating in hair follicles and deep epidermal layers. Compared to single retinoids, its multi-pathway synergy provides comprehensive improvement of photoaging.

►Antioxidant, anti-aging

Cosroma® BH-001WN

INCI Name Ubiquinone (and) Maltodextrin (and) Sodium Starch Octenylsuccinate (and) Vegetable Oil (and) Tocopherol (and) Sodium Ascorbate (and) Silica

Specifications Ubiquinone 20%

Key Benefits

- Aqueous antioxidant
- Photoprotection
- Mitochondrial protection
- Barrier restoration

Benefits Description

- **Delivery System:** Hydrophilic microencapsulation stabilizes ubiquinone in aqueous systems, enhancing compatibility with stratum corneum polar lipids to target CoQ10 delivery to epidermal basal layer mitochondria, optimizing Complex II/III electron transport efficiency.
- **Antioxidant Mechanism:** Activates SIRT1 deacetylase to upregulate Nrf2 pathway, enhancing glutathione reductase (GR) activity for specific scavenging of hydroxyl radicals ($\cdot\text{OH}$) and peroxynitrite (ONOO^-).
- **Formulation Compatibility:** Compared to oil dispersions, aqueous microcapsules demonstrate superior stability in emulsion systems, ideal for serums while avoiding lipid-based encapsulation stickiness.

Cosroma® BH-002WN

INCI Name Beta-Carotene (and) Sodium Starch Octenylsuccinate (and) Maltodextrin (and) Acacia Senegal Gum (and) Sucrose (and) Ascorbic Acid

Specifications Beta-Carotene 10%

Key Benefits

- Aqueous-phase antioxidant
- Inflammation modulation
- Photoaging defense
- Collagen stabilization

Benefits Description

- **Delivery Enhancement:** Amphiphilic polymer microencapsulation stabilizes β-carotene in aqueous phases, enabling gradual conversion to retinoic acid in epidermis to activate RARβ receptors and suppress AP-1-mediated MMP-1/3 expression.
- **Radical Scavenging:** Prioritizes quenching water-soluble superoxide anions ($\text{O}_2^{\cdot-}$) and hydrogen peroxide (H_2O_2), blocking UV-induced TLR4/MyD88 inflammatory signaling and downregulating IL-1β/COX-2 expression.
- **Application Advantages:** Compared to oil dispersions, aqueous microcapsules better suit sunscreen sprays by forming transparent protective films that enhance UV scattering without pore-clogging risks.

►Antioxidant, anti-aging

Cosroma® BH-003WN

INCI Name Beta-Carotene (and) Acacia Senegal Gum (and) Maltodextrin (and) Sucrose (and) Tocopherol

Specifications Beta-Carotene 20%

Key Benefits

- Lipid-soluble antioxidant
- UVB protection
- Sebum regulatio
- Keratin repair

Benefits Description

- **Carrier Compatibility:** Oil-soluble phospholipid microencapsulation enhances β -carotene penetration into sebaceous follicles via lipid similarity, targeting 5 α -reductase inhibition to reduce dihydrotestosterone production.
- **Protective Synergy:** Prioritizes UVB (290-320nm) absorption in oil phase, quenching singlet oxygen (1O_2) via excited-state energy transfer while synergizing with vitamin E recycling to reduce lipid peroxidation.
- **Skin Type Specificity:** More suitable for dry/barrier-impaired skin than aqueous dispersions, reinforcing sebum film integrity with squalene analogs and reducing retinoid irritation through sustained release.

Cosroma® BH-010H

INCI Name Resveratrol (and) Hydroxypropyl Cyclodextrin

Specifications Resveratrol 10%

Key Benefits

- Neutralize free radicals
- Activate longevity genes
- Anti-glycation
- Improve photoaging

Benefits Description

- **Molecular Encapsulation Enhancement:** β -cyclodextrin encapsulation significantly improves water solubility and environmental stability, targeting SIRT1 deacetylase activation to regulate Nrf2/ARE antioxidant pathways and neutralize free radical chain reactions.
- **Glycation Damage Blockade:** Specifically prevents crosslinking between AGEs and collagen fibers to maintain dermal matrix integrity.
- **Transdermal Delivery Optimization:** Compared to unencapsulated resveratrol, it demonstrates reduced photosensitivity and irritation while achieving sustained release and enhanced deep epidermal penetration through cyclodextrin's cavity structure.

Cosroma® BH-001R

INCI Name Resveratrol (and) PEG-35 Castor Oil (and) Caprylic/Capric Triglyceride (and) Propylene Glycol (and) PEG-40 Hydrogenated Castor Oil (and) Soybean Lecithin (and) Tocopherol (and) 1,2-Hexanediol (and) Hydroxyacetophenone (and) Water

Specifications Resveratrol 5%

Key Benefits

- Neutralize free radicals
- Enhance cellular vitality
- Anti-glycation
- Soothe inflammation

Benefits Description

- **Mitochondrial Protection:** Resveratrol activates SIRT1 deacetylase to extend cellular lifespan, scavenges ROS/RNS free radical chain reactions, and protects mitochondrial membrane potential stability.
- **Glycation Damage Intervention:** Inhibits crosslinking between AGEs and collagen to reduce skin yellowing from glycation.
- **Multi-target Anti-inflammation:** The fat emulsion system enhances its lipophilicity and bioavailability, targeting inhibition of COX-2 and TNF- α inflammatory pathways. Compared to conventional antioxidants like vitamin C, it exhibits superior multi-target free radical neutralization with dual action against oxidative and glycative damage.

►Brightening, lightening

Cosroma® BH-011H

INCI Name Glabridin (and) Hydroxypropyl Cyclodextrin

Specifications Glabridin 10%

Key Benefits

- Inhibit tyrosinase
- Soothe redness
- Antioxidant protection
- Even skin tone

Benefits Description

- **Dual-pathway Whitening:** Cyclodextrin encapsulation significantly enhances glabridin bioavailability, competitively inhibiting tyrosinase activity while downregulating COX-2 expression to block pigmentation at the source.
- **Redness Repair:** Targets mast cell degranulation and VEGF signaling to reduce skin redness and telangiectasia.
- **Photosensitivity Optimization:** Encapsulation technology overcomes the photolability of standard glabridin, ensuring activity retention under UV exposure for safe daytime use with prolonged efficacy.

Cosroma® BH-007H

INCI Name Azelaic Acid (and) Hydroxypropyl Cyclodextrin (and) Methyl Cyclodextrin (and) Disodium Phosphate (and) Acacia Senegal Gum (and) Maltodextrin

Specifications Azelaic Acid 60%

Key Benefits

- Inhibit P. acnes
- Regulate keratinization
- Fade acne marks
- Oil control

Benefits Description

- **Targeted Antibacterial Action:** Cyclodextrin encapsulation enhances azelaic acid accumulation in pilosebaceous units, specifically inhibiting P. acnes proliferation through interference with bacterial fatty acid metabolism.
- **Keratinization Normalization:** Bidirectionally regulates keratinocyte differentiation to dissolve hyperkeratinized follicular epithelium while promoting barrier protein expression.
- **Hyperpigmentation Prevention:** Suppresses post-inflammatory melanocyte activation and tyrosinase overexpression, demonstrating superior transdermal delivery and tolerance compared to standard azelaic acid.

Cosroma® CBH-004R

INCI Name Phenylethyl Resorcinol (and) Caprylic/Capric Triglyceride (and) Polysorbate 80 (and) PEG-40 Hydrogenated Castor Oil (and) PPG-26-Buteth-26 (and) Tocopheryl Acetate (and) Disodium Edta (and) Water

Specifications Phenylethyl Resorcinol 10%

Key Benefits

- Inhibit melanogenesis
- Fade pigmentation
- Even skin tone
- Antioxidant support

Benefits Description

- **Tyrosinase Inhibition:** Phenylethyl resorcinol competitively inhibits tyrosinase activity to block dopa-to-melanin conversion and disrupts MITF-regulated melanogenesis pathways.
- **Pigment Metabolism Acceleration:** Reduces transfer of existing melanin to epidermis while accelerating exfoliation of pigmented keratinocytes.
- **Stability Enhancement:** Fat emulsion encapsulation enhances photostability and synergistically scavenges UV-induced free radicals. Compared to traditional hydroquinone, it provides gentler whitening without cytotoxic risks, suitable for long-term use on sensitive skin.

Cosroma® CBH-005R

INCI Name 4-Butylresorcinol (and) Dipropylene Glycol (and) Glycerin (and) PEG-40 Hydrogenated Castor Oil (and) Caprylic/Capric Triglyceride (and) Soybean Lecithin (and) Butylene Glycol (and) Tocopherol (and) Water

Specifications 4-Butylresorcinol 5%

Key Benefits

- Potent tyrosinase inhibition
- Block melanin synthesis
- Improve acne marks
- Antioxidant

Benefits Description

- **Irreversible Enzyme Inhibition:** 4-Butylresorcinol potently chelates copper ions in tyrosinase's active site to irreversibly inhibit enzyme activity and block dopaquinone formation.
- **Gene Expression Modulation:** Downregulates TYRP-1/TYRP-2 gene expression to disrupt melanin maturation.
- **Multi-action Whitening:** The fat emulsion system enhances epidermal penetration while inhibiting P. acnes-induced post-inflammatory hyperpigmentation. Compared to standard resorcinol derivatives, it exhibits stronger tyrosinase inhibition with synergistic anti-acne mark effects.

**►Exfoliating, resurfacing, smoothing****Cosroma® BH-001T**

INCI Name Salicylic Acid (and) PEG-8 Caprylic/Capric Glycerides (and) PPG-26-Buteth-26 (and) PEG-40 Hydrogenated Castor Oil (and) Ethoxydiglycol (and) Water

Specifications Salicylic Acid 20%

Key Benefits

- Keratolytic action
- Antibacterial
- Pore cleansing

Benefits Description

- **Precise Dissolution:** Beta-hydroxy acid's lipophilicity enables deep follicular penetration to dissolve microcomedones via desmosome disruption.
- **Pathway Modulation:** Downregulates TLR2/NF-κB pathway to suppress P.acnes-induced inflammation while modulating PPARγ in sebocytes for lipid balance.
- **Flexible Delivery:** Flexible nano-liposomes deform through follicular openings, rupturing in sebum-rich environment for precise follicular targeting.

►Sebum control, anti-acne**Cosroma® BH-007H**

INCI Name Azelaic Acid (and) Hydroxypropyl Cyclodextrin (and) Methyl Cyclodextrin (and) Disodium Phosphate (and) Acacia Senegal Gum (and) Maltodextrin

Specifications Azelaic Acid 60%

Key Benefits

- Inhibit P. acnes
- Regulate keratinization
- Fade acne marks
- Oil control

Benefits Description

- **Targeted Antibacterial Action:** Cyclodextrin encapsulation enhances azelaic acid accumulation in pilosebaceous units, specifically inhibiting P. acnes proliferation through interference with bacterial fatty acid metabolism.
- **Keratinization Normalization:** Bidirectionally regulates keratinocyte differentiation to dissolve hyperkeratinized follicular epithelium while promoting barrier protein expression.
- **Hyperpigmentation Prevention:** Suppresses post-inflammatory melanocyte activation and tyrosinase overexpression, demonstrating superior transdermal delivery and tolerance compared to standard azelaic acid.

Cosroma® BH-001T

INCI Name Salicylic Acid (and) PEG-8 Caprylic/Capric Glycerides (and) PPG-26-Buteth-26 (and) PEG-40 Hydrogenated Castor Oil (and) Ethoxydiglycol (and) Water

Specifications Salicylic Acid 20%

Key Benefits

- Keratolytic action
- Antibacterial
- Pore cleansing

Benefits Description

- **Precise Dissolution:** Beta-hydroxy acid's lipophilicity enables deep follicular penetration to dissolve microcomedones via desmosome disruption.
- **Pathway Modulation:** Downregulates TLR2/NF-κB pathway to suppress P.acnes-induced inflammation while modulating PPARγ in sebocytes for lipid balance.
- **Flexible Delivery:** Flexible nano-liposomes deform through follicular openings, rupturing in sebum-rich environment for precise follicular targeting.

►Skin repair, anti-aging

Cosroma® Ceramide EOP1-S1

INCI Name Ceramide EOP (and) Hexyl Decanol (and) Octyldodecanol PEG-16 (and) 1,3-Propanediol (and) 1,2-Hexanediol (and) Water

Specifications Ceramide EOP 1%

Key Benefits • Microbiome balance • Acne control • Absorption enhancement

Benefits Description Cosroma® Ceramide EOP1-S1 is a Ceramide EOP active ingredient produced via encapsulation technology.

- **Ceramide EOP Content:** 1%.
- **Water-soluble:** Ideal for transparent formulations including toners, serums, gels, emulsions, and creams.
- **Specialty:** Specifically designed for transparent formulation systems
- **Technical Advantages:** Encapsulation technology elevates Ceramide EOP stability, skin penetration, absorption capacity, alongside sustained-release and synergistic benefits.
- **Efficacy:** Water-soluble Ceramide EOP gently replenishes barrier lipids, balances skin microbiome, and reduces clogged pores. Enhances absorption of subsequent active ingredients, ideal for daily stabilization and pre-makeup preparation in younger skin.

Cosroma® Ceramide EOP5-S1

INCI Name Ceramide EOP (and) Hydrogenated Lecithin (and) Hexyl Decanol (and) Steareth-2 (and) Neopentyl Glycol Diheptanoate (and) Glycerin (and) Butylene Glycol (and) Phenoxyethanol (and) 1,2-Hexanediol (and) Water

Specifications Ceramide EOP 5%

Key Benefits • Photoaging repair • Dullness correction • Environmental stress protection

Benefits Description Cosroma® Ceramide EOP5-S1 is a Ceramide EOP active ingredient prepared via encapsulation technology.

- **Ceramide EOP Content:** 5%.
- **Water-soluble:** Suitable for non-transparent formulations like serums, emulsions, and creams.
- **Technical Advantages:** Encapsulation enhances Ceramide EOP stability, skin permeability, absorption rate, coupled with sustained-release and synergistic efficacy.
- **Efficacy:** Ceramide EOP strengthens the outer epidermal lipid matrix, repairing barrier damage from UV exposure or chemical irritants. Reduces roughness and dullness, enhances radiance, and targets photoaging or fatigue-induced skin stress.

Cosroma® Ceramide EOP2-Y1

INCI Name Ceramide EOP (and) Tocopheryl Acetate (and) Hexyl Decanol (and) Neopentyl Glycol Diheptanoate (and) Di-C12-13 Alkyl Malate (and) Polyglyceryl-10 Stearate

Specifications Ceramide EOP 2%

Key Benefits • Deep moisturization • Antioxidant protection • Seasonal dryness relief

Benefits Description Cosroma® Ceramide EOP2-Y1 is a Ceramide EOP active ingredient developed using specialized formulation technology.

- **Ceramide EOP Content:** 2%.
- **Oil-soluble:** Compatible with transparent formulations such as serum oils, cleansing oils, emulsions, and cream.
- **Specialty:** Tailored for transparent formulation systems.
- **Efficacy:** Oil-soluble Ceramide EOP rapidly penetrates deep into the stratum corneum, filling lipid gaps to relieve seasonal or air-conditioning-induced dryness. Synergizes with antioxidants to delay lipid peroxidation, maintaining skin suppleness.

Cosroma® Ceramide NP6-S1

INCI Name Ceramide NP (and) Hydrogenated Lecithin (and) Cholesterol (and) Glycerin (and) Octyldodecanol (and) Water

Specifications Ceramide NP 6%

Key Benefits • Strengthens defense • Pollution resistance • Oxidative stress protection

Benefits Description Cosroma® Ceramide NP6-S1 is a Ceramide NP active ingredient prepared using encapsulation technology.

- **Ceramide NP Content:** 6%.
- **Water-soluble:** Compatible with opaque formulations such as serums, emulsions, and creams.
- **Technical Benefits:** Encapsulation improves stability, transdermal efficiency, and absorption rate, alongside sustained-release performance and synergistic effects.
- **Efficacy & Mechanism:** Enhances skin defense against environmental stressors; repairs lipid barriers to reduce pollutant penetration; co-delivers antioxidants (e.g., polyphenols) to neutralize free radicals and mitigate oxidative damage.

Cosroma® Ceramide NP30-SF1

INCI Name Ceramide NP (and) Hydrogenated Lecithin (and) Dipropylene Glycol (and) Glyceryl Stearates

Specifications Ceramide NP 30%

Key Benefits • Alleviates chronic dryness • Enhances water retention capacity

Benefits Description Cosroma® Ceramide NP30-SF1 is a Ceramide NP active ingredient prepared using encapsulation technology.

- **Ceramide NP Content:** 30%.
- **Water-soluble:** Ideal for opaque formulations including serums, emulsions, and creams.
- **Highlight:** Specially designed for high-ceramide formulations.
- **Technical Benefits:** Encapsulation enhances stability, skin penetration, and absorption, with sustained-release properties and synergistic efficacy.
- **Efficacy & Mechanism:** Addresses chronic dryness and barrier dysfunction; high-concentration water-soluble Ceramide NP utilizes nano-encapsulation for enhanced penetration; regulates stratum corneum pH to promote filaggrin conversion into NMF, improving water retention.

Cosroma® Ceramide NP1-S1

INCI Name Ceramide NP (and) Olea Europaea Fruit Oil (and) Butyrospermum Parkii Butter (and) Hydrogenated Polyisobutene (and) Lecithin (and) Pentylene Glycol (and) PEG-40 Hydrogenated Castor Oil (and) Sodium Oleate (and) Tocopheryl Acetate (and) Disodium EDTA (and) Water

Specifications Ceramide NP 1%

Key Benefits • Sebum-oil balance • Anti-inflammatory control • Combination skin care

Benefits Description Cosroma® Ceramide NP1-S1 is a Ceramide NP active ingredient prepared through encapsulation technology.

- **Ceramide NP Content:** 1%.
- **Water-soluble:** Compatible with transparent formulations like toners, serums, gels, emulsions, and creams.
- **Specialty:** Specifically engineered for transparent formulation systems.
- **Technical Advantages:** Encapsulation technology improves Ceramide NP stability, transdermal absorption, bioavailability, with sustained-release and synergistic effects.
- **Efficacy:** Ceramide NP replenishes key stratum corneum lipids to address oily yet dehydrated skin from barrier dysfunction. Reduces seborrheic dermatitis recurrence, balances sebum-water secretion, and targets T-zone care for combination skin.

Cosroma® Ceramide NP50-Y1

INCI Name Ceramide NP (and) Polyglyceryl-2 Triisostearate (and) Caprylyl Glycol (and) Ethylhexylglycerin

Specifications Ceramide NP 50%

Key Benefits • Barrier regeneration • Intensive repair for extreme dryness

Benefits Description Cosroma® Ceramide NP50-Y1 is a Ceramide NP active ingredient prepared using specialized formulation technology.

- **Ceramide NP Content:** 50%.
- **Oil-soluble:** Suitable for opaque formulations like balms, lipsticks, cleansing balms, and emulsions.
- **Highlight:** Optimized for high-ceramide-content products.
- **Efficacy & Mechanism:** Intensive repair for severely dry and compromised skin; ultra-high Ceramide NP replenishes stratum corneum lipids via oil-soluble carriers; sustained-release synergizes with plant butters (e.g., shea butter) to enhance restorative efficacy.

Cosroma® Ceramide NG5-Y1

INCI Name Ceramide NG (and) Ricinus Communis Seed Oil (and) Olea Europaea Fruit Oil

Specifications Ceramide NG 5%

Key Benefits • Neuro-sensitivity relief • Enhanced hydration • Stinging reduction • TRPV1 repair

Benefits Description Cosroma® Ceramide NG5-Y1 is a Ceramide NG active ingredient developed using specialized formulation technology.

- **Ceramide NG Content:** 5%.
- **Oil-soluble:** Compatible with different formulations such as serum oils, cleansing oils, emulsions, and creams.
- **Specialty:** Restores TRPV1 membrane microenvironment; Only ceramide with ganglioside-like configuration, superior for neurosensitive dryness compared to NS.

Cosroma® Ceramide 3C20-Y2

INCI Name Ceramide NP (and) Ceramide EOP (and) Ceramide NG (and) Tocopheryl Acetate (and) Caprylic/Capric Triglyceride (and) Polyglyceryl-2 Triisostearate (and) PEG-40 Hydrogenated Castor Oil (and) Octyldodecanol (and) Ethylhexylglycerin

Specifications Triple Ceramides 20%: Ceramide NP, Ceramide EOP, Ceramide NG

Key Benefits • Extreme dryness rescue • Occlusive repair • Hand/foot care

Benefits Description Cosroma® Ceramide 3C20-Y2 is a multi-ceramide active ingredient formulated with specialized technology.

- **Composition & Content:** Triple ceramides (NP, NG, EOP), total content 20%.
- **Oil-soluble:** Applicable to non-transparent formulations such as ointments, lip balms, cleansing balms, and emulsions.
- **Specialty:** Optimized for high-ceramide concentration products.
- **Efficacy:** High-concentration ceramide ointment provides occlusive repair for extreme dryness like cracking or peeling. Mimics sebum structure to reduce penetration of irritants, ideal for hand/foot care or winter emergency hydration.

Cosroma® Ceramide 3C2-S1

INCI Name Ceramide NP (and) Ceramide AP (and) Ceramide EOP (and) Hydrogenated Lecithin (and) Hexyl Decanol (and) Steareth-2 (and) Neopentyl Glycol Diheptanoate (and) Glycerin (and) Butylene Glycol (and) Phenoxyethanol (and) 1,2-Hexanediol (and) Water

Specifications Triple Ceramides 2%: Ceramide NP, Ceramide AP, Ceramide EOP

Key Benefits • Barrier reinforcement • Tolerance improvement • Acid treatment priming

Benefits Description Cosroma® Ceramide 3C2-S1 is a multi-ceramide active ingredient utilizing encapsulation technology.

- **Composition & Content:** Triple ceramides (EOP, NP, AP), total content 2%.
- **Water-soluble:** Applicable to non-transparent formulations like serums, emulsions, and creams.
- **Technical Advantages:** Encapsulation improves ceramide stability, transdermal delivery, absorption performance, with sustained-release and synergistic effects.
- **Efficacy:** Water-soluble triple ceramides mimic natural lipid ratios to repair barrier thinning from excessive exfoliation or acid treatments. Boosts skin tolerance, soothes stinging sensations, and serves as a gentle base for potent skincare regimens.

Cosroma® Ceramide 3C2-Y1

INCI Name Ceramide NP (and) Ceramide AP (and) Ceramide EOP (and) Phytosphingosine (and) Phytosterols (and) Hydrogenated Phosphatidylcholine (and) Glycerin (and) Butylene Glycol (and) Water

Specifications Triple Ceramides 2%: Ceramide NP, Ceramide AP, Ceramide EOP

Key Benefits • Barrier repair • Dryness reduction • Sensitivity relief

Benefits Description Cosroma® Ceramide 3C2-Y1 is a multi-ceramide active ingredient prepared with specialized formulation technology.

- **Composition & Content:** Triple ceramides (NP, AP, EOP), total content 2%.
- **Oil-soluble:** Suitable for non-transparent formulations such as ointments, lip balms, cleansing balms, and emulsions.
- **Efficacy:** The triple ceramide complex (NP, AP, EOP) replenishes skin lipids, repairs barrier integrity, and reduces dryness. Enhances stratum corneum hydration, alleviates sensitivity and redness caused by over-cleansing or environmental stressors, ideal for long-term repair and stabilization of dry, sensitive skin.



Cosroma® Ceramide 5C20-Y1

INCI Name	Ceramide NP (and) Ceramide AP (and) Ceramide NG (and) Ceramide AS (and) Ceramide EOP (and) Phytosphingosine (and) Phytosterols (and) Hydrogenated Lecithin (and) Cetearyl Glucoside (and) Sorbitan Olivatate (and) Behenic Acid
Specifications	Penta Ceramides 20%: Ceramide NP, Ceramide AP, Ceramide NG, Ceramide AS, Ceramide EOP
Key Benefits	• Barrier restoration • Anti-pruritic • Adjunctive therapy for severe dermatitis
Benefits Description	Cosroma® Ceramide 5C20-Y1 is a multi-ceramide active ingredient prepared with specialized formulation technology. • Composition & Content: Penta ceramides (NP, AP, NG, AP, EOP), total content 20%. • Oil-soluble: Suitable for non-transparent formulations including ointments, lip balms, cleansing balms, and emulsions. • Specialty: Especially designed for high-ceramide content formulations. • Efficacy: High-concentration penta-ceramides target the repair of epidermal lipid bilayers, rapidly alleviating flaking and itching caused by barrier damage. Strengthens skin's resistance to external aggressors, improves elasticity, and supports adjunctive therapy for severe barrier dysfunction such as eczema and atopic dermatitis.

Cosroma® Ceramide 5C5-S1

INCI Name	Ceramide NP (and) Ceramide EOP (and) Ceramide NG (and) Ceramide AS (and) Ceramide AP (and) Hydrogenated Lecithin (and) Cholesterol (and) Cetearyl Olivatate (and) Sorbitan Olivatate (and) Glycerin (and) Caprylic/Capric Triglyceride (and) Water
Specifications	Penta Ceramides 5%: Ceramide NP, Ceramide EOP, Ceramide NG, Ceramide AS, Ceramide AP
Key Benefits	• Pore refinement • Anti-inflammatory sebum control • Acne-prone skin balance
Benefits Description	Cosroma® Ceramide 5C5-S1 is a multi-ceramide active ingredient developed via encapsulation technology. • Composition & Content: Penta ceramides (NP, NG, EOP, AS, AP), total content 5%. • Water-soluble: Designed for non-transparent formulations including serum oils, cleansing oils, emulsions, and creams. • Technical Advantages: Encapsulation enhances ceramide stability, skin permeability, absorption efficiency, combined with sustained-release and synergistic performance. • Efficacy: Water-soluble penta-ceramides with phytosphingosine promote orderly keratinocyte alignment to refine enlarged pores. Balances skin pH to acidic levels, inhibits harmful microbes, and supports barrier equilibrium in acne-prone skin.

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Cosroma® Ceramide 3C1.5-Y1

INCI Name	Ceramide NP (and) Ceramide AP (and) Ceramide EOP (and) Phytosphingosine (and) Octyldodecanol (and) 1,2-Pentenediol
Specifications	Triple Ceramides 1.5%: Ceramide NP, Ceramide AP, Ceramide EOP
Key Benefits	• Lightweight hydration • Oily skin balance • Pollution defense
Benefits Description	Cosroma® Ceramide 3C1.5-Y1 is a multi-ceramide active ingredient formulated with specialized technology. • Composition & Content: Triple ceramides (NP, AP, EOP), total content 1.5%. • Oil-soluble: Designed for transparent formulations including serum oils, cleansing oils, emulsions, and creams. • Specialty: Optimized for transparent formulation systems. • Efficacy: Lightweight oil-soluble ceramides integrate seamlessly into transparent formulas, offering non-greasy hydration to relieve dryness-induced tightness. Strengthens the hydrolipidic film, defends against environmental pollutants, and suits oily skin or daily barrier maintenance in humid climates.



►Soothing, anti-inflammation

Cosroma® CBDH-001X

INCI Name	4-t-Butylcyclohexanol (and) Bisabolol (and) Dicaprylyl Carbonate (and) Tocopherol (and) Sorbeth-30 Tetraoleate (and) Tocopheryl Acetate (and) Dipropylene Glycol (and) Tocophersolan
Specifications	4-t-Butylcyclohexanol 5%
Key Benefits	• Immediate soothing • Barrier repair • Reduce TRPV1 sensitivit • Anti-histamine
Benefits Description	• Neural Signal Blockade: 4-Terpineol specifically binds TRPV1 receptors via stereoisomerism to inhibit capsaicin-like neural signaling, rapidly alleviating burning and stinging sensations. • Barrier Strengthening Mechanism: Enhances expression of stratum corneum tight junction proteins to repair physical/chemical barrier damage. • Multi-dimensional Anti-irritation: The ionic liquid fat emulsion system promotes deep epidermal retention of active ingredients while synergistically inhibiting histamine release from mast cells. Compared to traditional ceramides or bisabolol, it provides faster itch-relief and pain suppression while simultaneously improving barrier function and neurogenic inflammation.

COSROMA®

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