

SYN[®]-PEPTIDES

*Premium pro-aging
solutions*



08.2026

Peptides | Pharma-inspired skincare

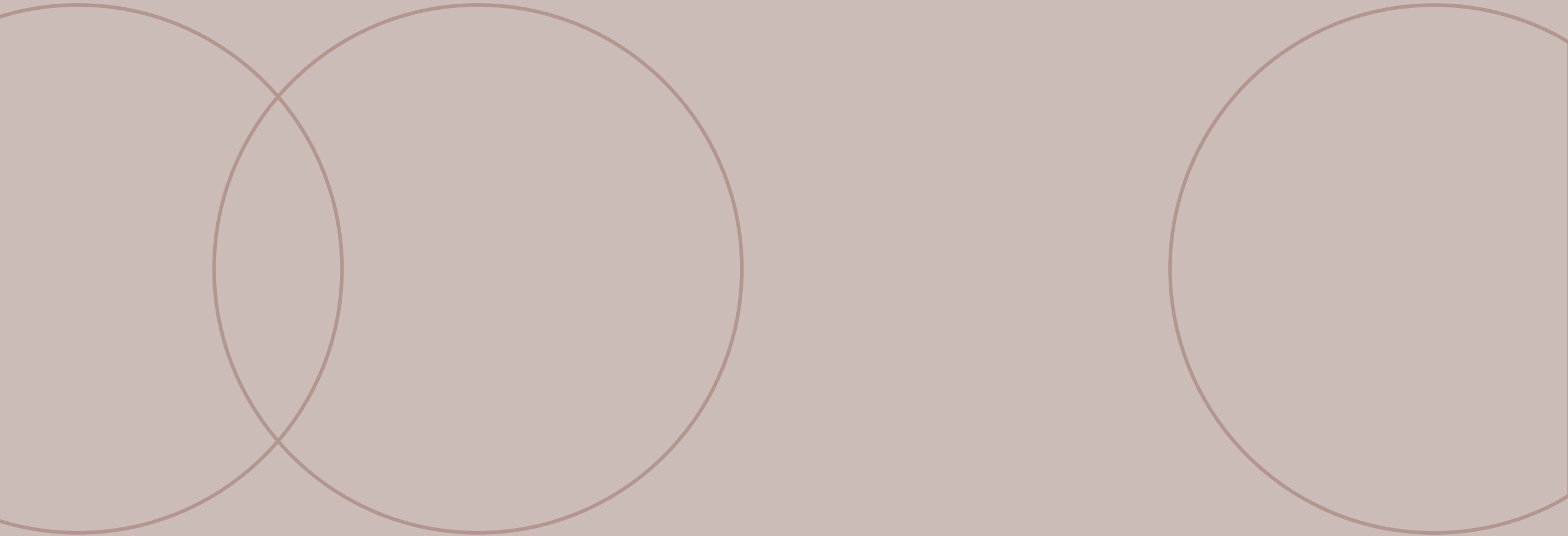
dsm-firmenich 

Agenda

- 1 Market background
- 2 SYN[®]-PEPTIDES by dsm-firmenich
- 3 The products range



01 Market background



In the “longevity era” approach to Skincare is evolving



The idea of perfection is over. We see a move away from ‘augmentation’ towards ‘skin acceptance’. Healthy-looking skin is now the ambition – heralding a diversion from wrinkle reduction and anti-aging.



Today’s consumers understand that beautiful skin, starts with healthy skin. This is driving proactive engagement in skin care, seeking preventative solutions that empower them to age well and thrive in their own skin.



People seek solutions that meet the needs of different life stages and lifestyles. In an era of empowered individualism, skin health is intuitively personal, and ever-changing. It’s where science meets self.

Science-backed is the *expectation*

Efficacy and Results: Consumers expect beauty products that are scientifically proven to be effective. They want to see real and tangible results.

Safety and Transparency: There is a growing demand for transparency in the ingredients and processes used to create beauty products. Consumers want to know that the products are safe and free from harmful chemicals.

Trust and Credibility: Products backed by scientific research and clinical trials tend to earn more trust from consumers.

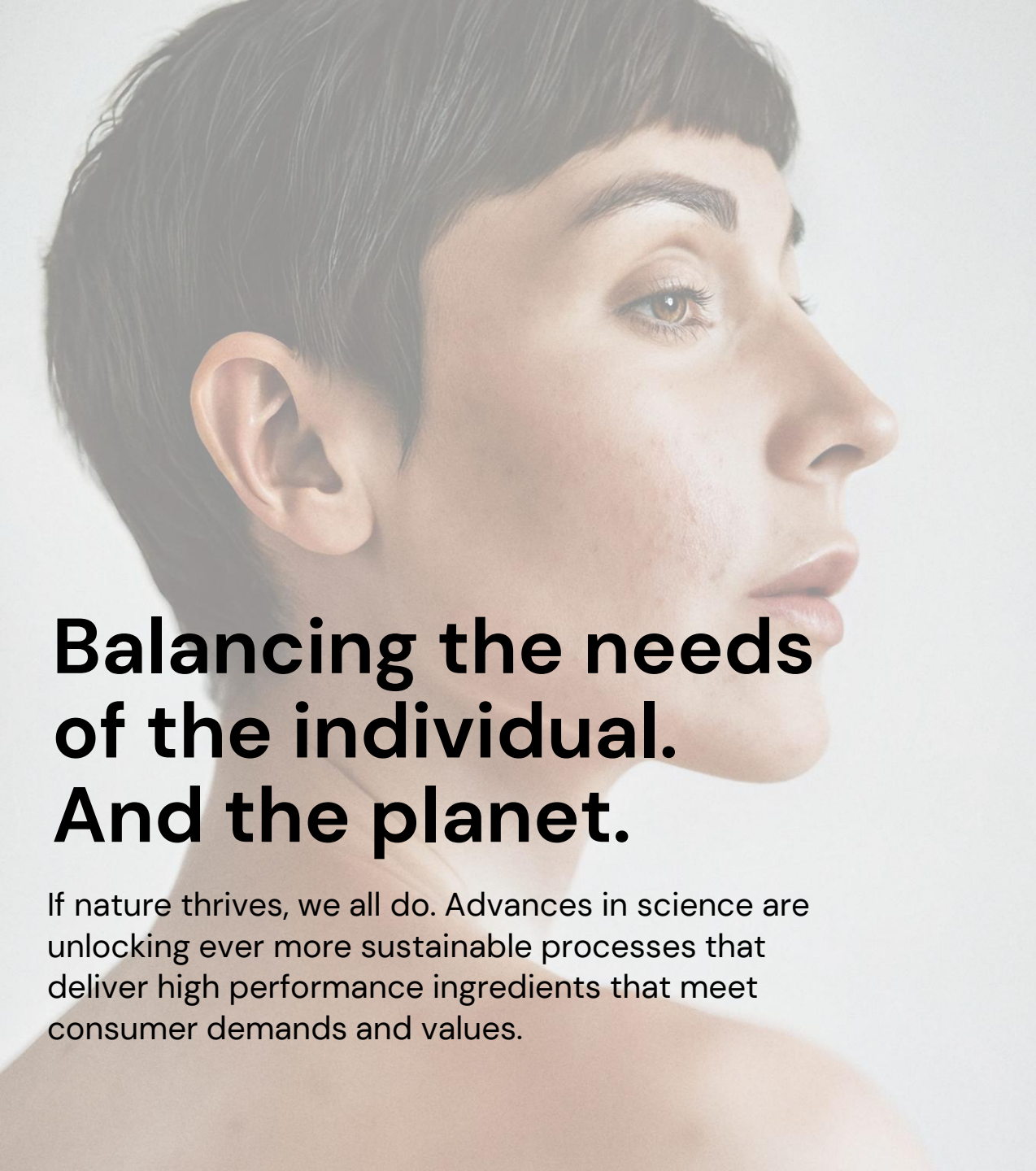
This leads to medical beauty, also known as "cosmeceuticals" or "medico-aesthetic beauty," which refers to products and treatments that bridge the gap between cosmetics and pharmaceuticals. These products often contain active ingredients at higher concentrations and are designed to deliver therapeutic benefits as well as aesthetic improvements.



Smart science and technologies center stage



Increasing the focus on distinctive active ingredients and new solutions that add value and can adapt to different needs.



Balancing the needs of the individual. And the planet.

If nature thrives, we all do. Advances in science are unlocking ever more sustainable processes that deliver high performance ingredients that meet consumer demands and values.

50%

of consumers feel that beauty brands need to use sustainably sourced ingredients to be considered sustainable

Kantar Profiles

1 in 2

consumers think beauty ingredients that are bad for the planet are socially unacceptable.

Mintel: 2023



dsm-firmenich ●●●

02 SYN[®]-PEPTIDES by dsm-firmenich



SYN®-PEPTIDES

Winning proposition for the market framework

Defined active compounds: small chemical structured with known mode of action for measurable benefits & maximum efficacy

Mimicking specific skin pathways: to enhance appearance from within

Fragmented portions of proteins: fundamental building blocks of skin, recognized safe and accepted by consumers

Next generation of eco-conscious, high-performance skincare peptides powered by dsm-firmenich Green Chemistry Science



dsm-firmenich's SYN®-PEPTIDES

Pharma-inspired skincare solutions, taking skin health ambition to the next level.

Our targeted approach, enhanced by AI and molecular modeling, is supported by green chemistry to generate groundbreaking, sustainable solutions proven to deliver the highest levels of efficacy towards well-aging

A unique proposal

60+ Over 60 years of experience in the field



Best efficacy. Small peptides, chemically well-defined structures



Fully substantiated, visible results on skin



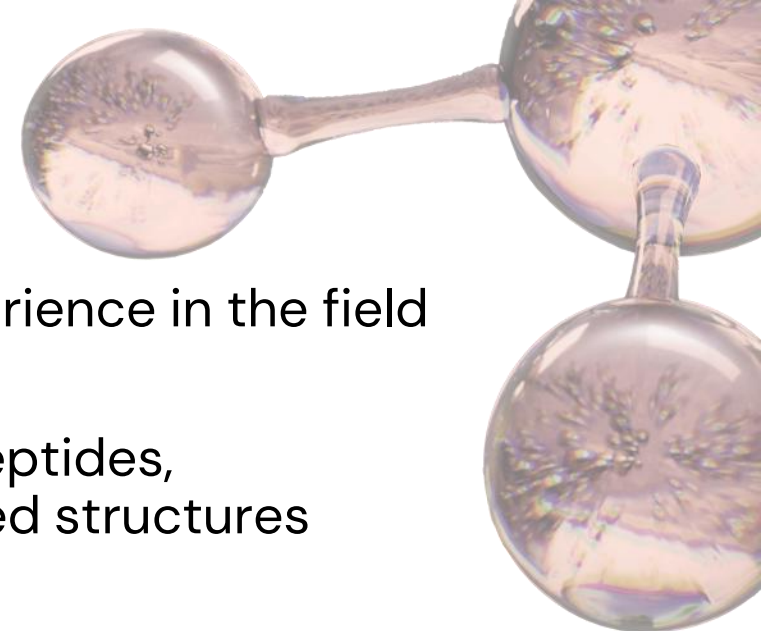
High purity and stability



Extended safety dossier



No preservatives, vegan-friendly, suitable for clean beauty



Futureproof peptides

Next generation,
eco-conscious & high performing



Powered by dsm-firmenich Green Chemistry Science and designed for sustainable formulations



Natural-origin peptides making it suitable for clean beauty formulations



Free from trifluoroacetic acid (TFA)*



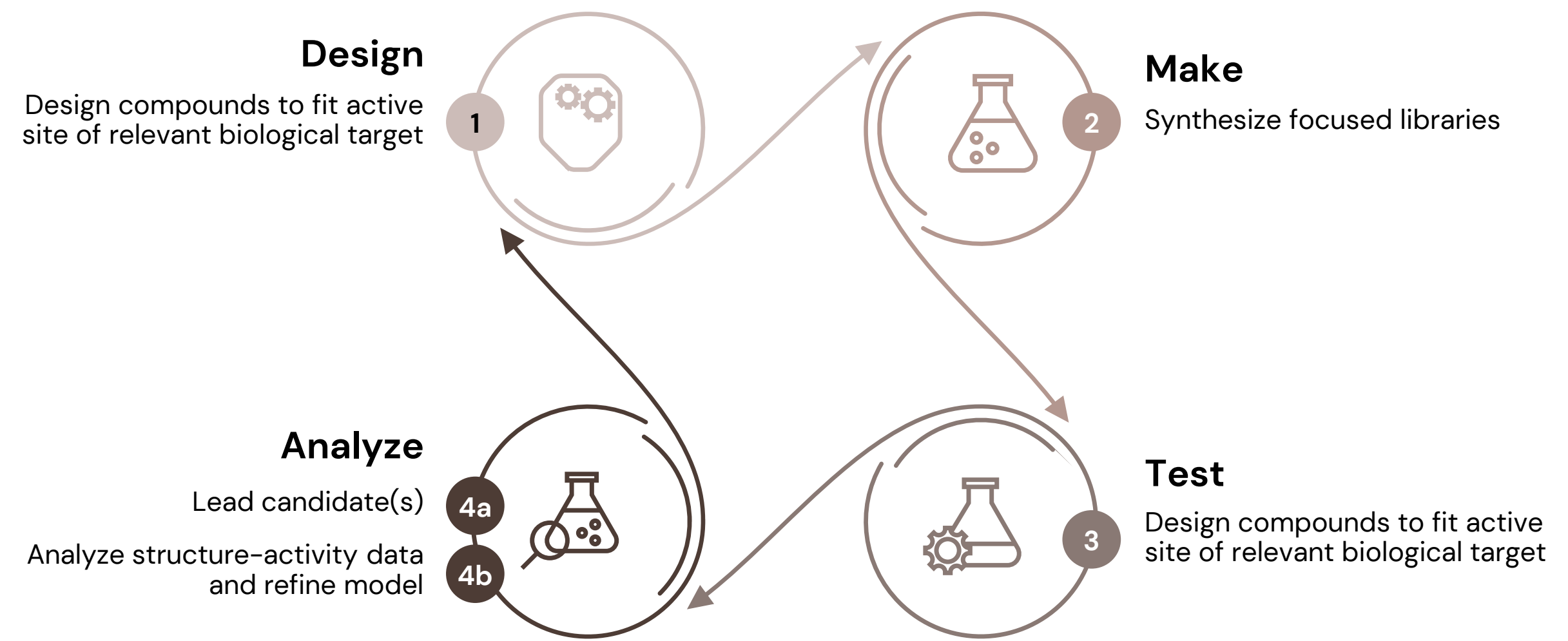
High efficiency allowing a low carbon footprint contribution



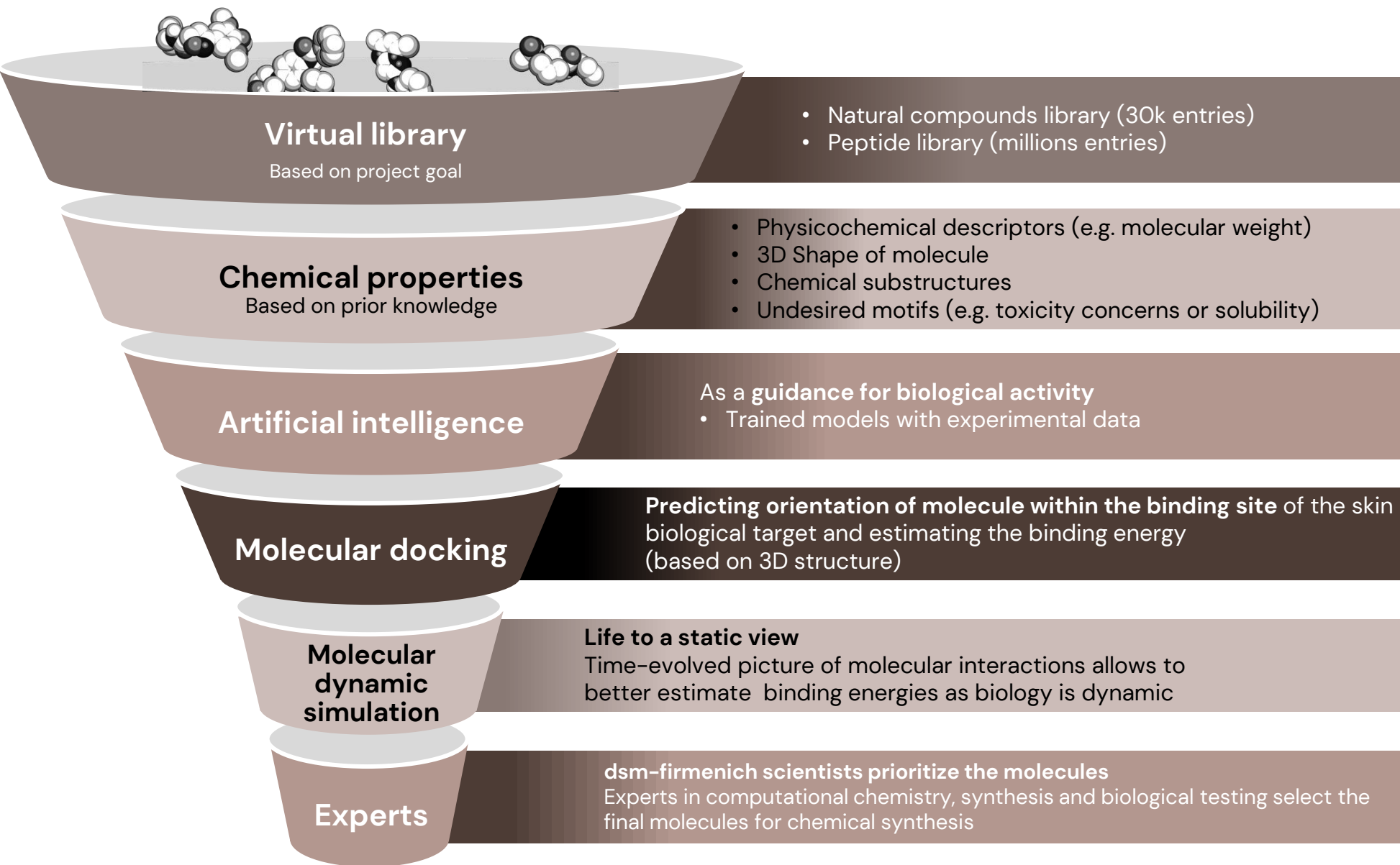
Produced in Europe with 100% purchased renewable electricity

*non-intentionally added TFA

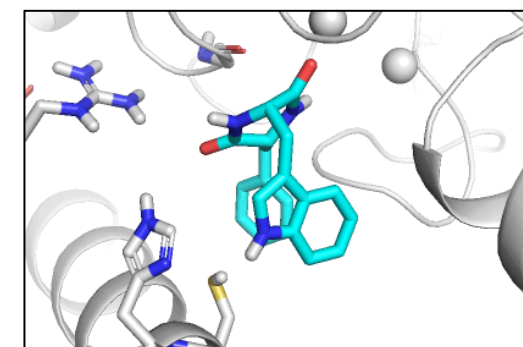
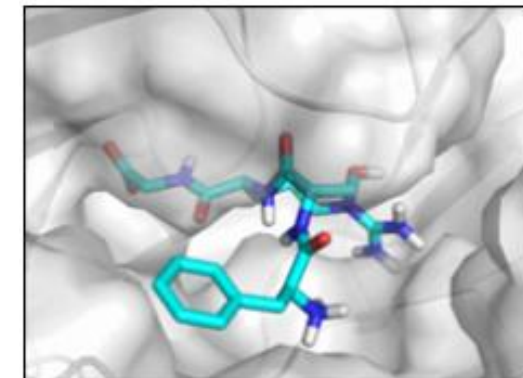
The Rational Design Process



Designing highly potent peptides



Example of molecular docking

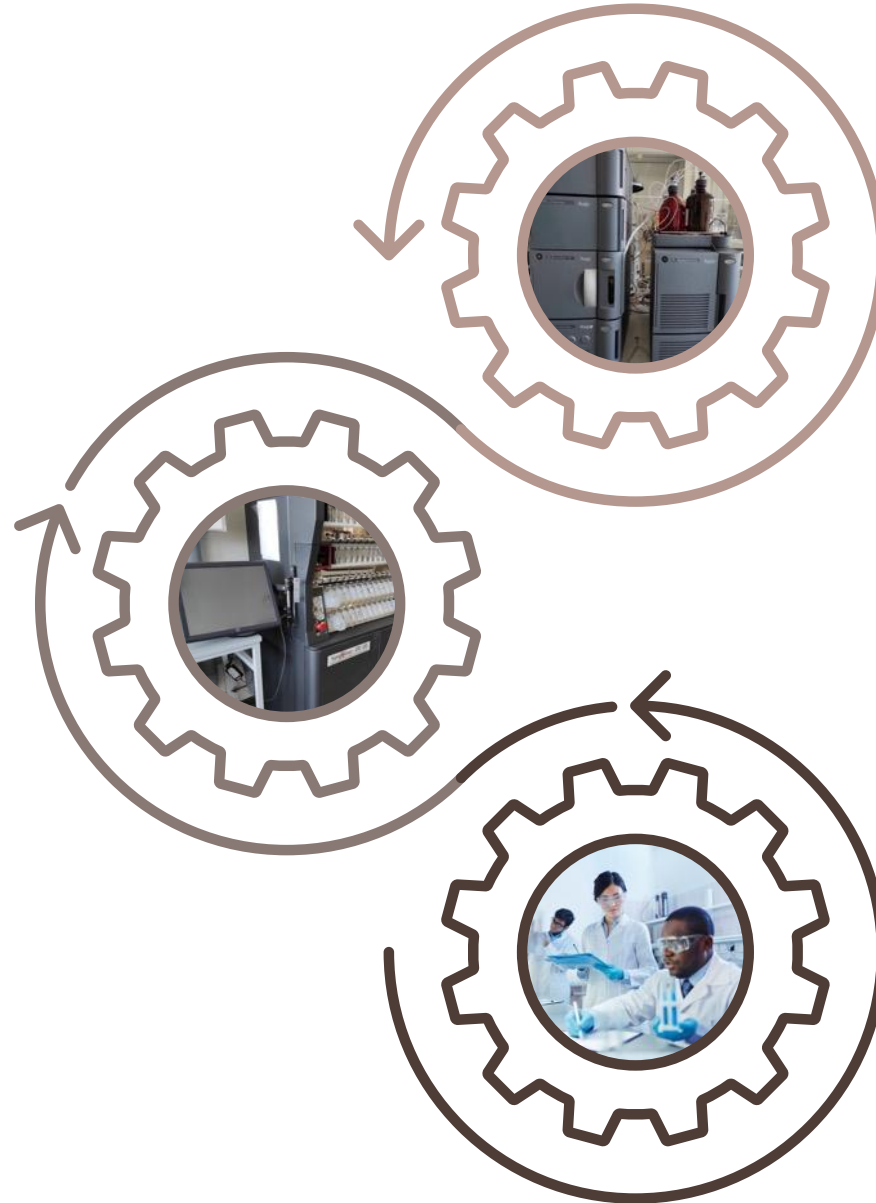


Example of molecular dynamic simulation (MD)

In-house peptide synthesis and process development

State-of-the-art technologies

- Dedicated equipment
- High-capacity reactors for process optimization
- High tech analytics instrumentation



Part of dsm-firmenich's R&D manufacturing network

- Special laboratories (pressure, safety)
- Analytical services and quality control
- Process implementation
- Scale-up and manufacturing
- Tox and regulatory expertise

Highly experienced team of peptide chemists

- Long-term experience in cosmetic peptides development
- Leading SYN®-Peptides brand

03 The products range

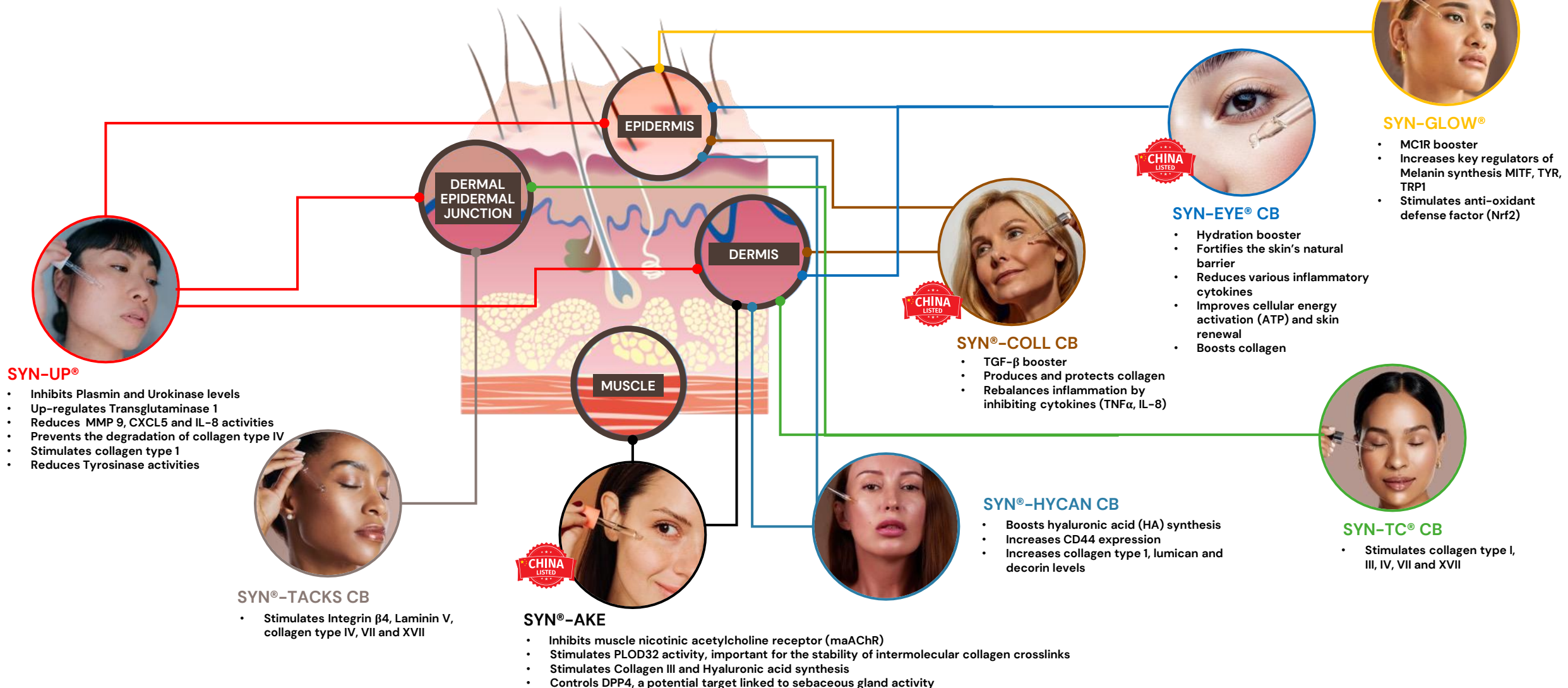


SYN®-PEPTIDES Range / Pharma-inspired skincare

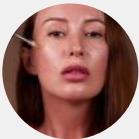
	SYN®-AKE	SYN®-COLL CB	SYN®-TACKS CB	SYN-EYE® CB	
	The all-in-one medical beauty solution	Activate your Collagen for lifelong slow-aging	Boosting beauty through the dermal-epidermal junction	Lineless eyes within 7 days	
	SYN® HYCAN CB	SYN-TC® CB	SYN-UP®	SYN-GLOW®	
	Hyaluronic acid booster: firming and remodelling from within	A new dimension in skin smoothing in just 28 days	Unlock your skin's longevity	Healthy, youthful, fresh-from-holiday look... all year round	

Revealing the power of targeted mode-of-action

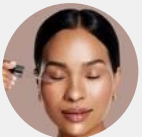
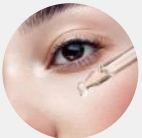
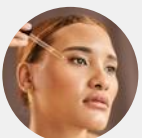
SYN®-PEPTIDES' skin focus



SYN®-PEPTIDES Range / Pharma-inspired skincare

Product		Dedicated performance for visible results		Claims
SYN-AKE®			All in one	• Helps skin to relax, visibly reducing and preventing mimic wrinkles. • Re-densifies skin from within, smoothening deep wrinkles. • Mattifies and improves texture.
SYN®-COLL CB			For wrinkles and fine lines	• Slow down the aging process from within • Significantly supports skin's Collagen reserves, with age-personalized action • Protects from UV-induced Collagen degradation already at 1% • Sculpts face and neck for a firmer, more lifted appearance. • Refines skin appearance with less visible pores
SYN®-HYCAN CB			For contour remodeling	• Provides visible filling effect in just 2 weeks • Lifts even the most difficult areas, such as the neck • Benefits on multiple skin zones (under eye, upper- and mid-cheek, jawline, neck, lip) • Increases skin firmness +200% on cheek area.
SYN-UP®			Address the signs of sensitive skin and premature aging	• Makes the skin day- by- day more resilient against external stressors • Significant effective prevention of skin dryness • Reduces redness and unpleasant skin sensations • Visibly smoother and firmer skin • Hyperpigmentation reduction in just 2 weeks

SYN[®]-PEPTIDES Range

Product		Dedicated performance for visible results	Effect
SYN [®] -TACKS CB		For firm and compact skin	• Helps to visibly improve skin tonicity, firmness, and suppleness. • Appearance of fine lines and wrinkles is visibly reduced
SYN-TC [®] CB		For smooth skin	• Skin is smoother with a softer touch • Overall younger- looking appearance • Skin appears plumped and firmer • Appearance of fine lines and wrinkles is visible reduced
SYN-EYE [®] CB		For lineless eyes	• Visibly reduces the appearance of lines and wrinkles around the eye within 7 days • Shows a visibly brighter skin color in dark circle area after only 14 days • Helps to reduce skin roughness, making the delicate skin around the eye look smoother and fresher
SYN-GLOW [®]		For a natural, healthy glow	• Healthy, youthful, fresh-from-holiday look all year long • Promotes a visible healthy glow in just 5 days, with long lasting result and natural personalized effect

SYN-AKE®

*Stop wrinkling,
keep laughing*



Visibly
reduced
expression
wrinkles

SYN®-AKE

ID Card

INCI NAME:	Dipeptide Diaminobutyroyl Benzylamide Diacetate, Glycerin, Aqua		
TECHNOLOGY:	- Highly potent biomimetic tripeptide, made by cutting-edge SYN®-Peptide technology to mimic the essential amino acid sequence of Waglerin-1, a natural occurring polypeptide which has a strong ability to relax muscle contraction <i>In silico</i> model shows that SYN®-AKE peptide is able to fit into the catalytic binding site of DPP4 (Dipeptidylpeptidase 4) - TFA-free¹ 99.8% of natural origin (according to ISO 16128)		
TECHNICAL:	Form: Liquid pH of use: 3.0-7.5	Use level: 1-4% Preservative: Free	Solubility: Miscible in water
BENEFITS:	- Reduces muscle cell contractions: immediately, long-lasting and fully reversibly* - Up to 47% inhibition of muscle nicotinic acetylcholine receptor (maAChR)* - Stimulates PLOD3² activity, important for the stability of intermolecular collagen crosslinks* - Controls DPP4, a potential target linked to sebaceous gland activity* - Helps skin to relax without losing the ability to express** - Visibly reduce lines and wrinkles on three different skin tones** - Wrinkles reduction across age groups** - Can delay wrinkles' appearance up to 5 years** - Mattifies skin**		
REGISTRATION CERTIFICATION:	99.8% NATURAL ORIGIN CONTENT ISO16128 SYN-AKE VEGAN FRIENDLY VEGAN HALAL HALAL CERTIFIED MAJLIS ULAMA INDONESIA HALAL HALAL FOOD COUNCIL OF EUROPE HALAL INDONESIA CHINA LISTED NEW INNOVATION patent application filed		

1. Non-intentionally added TFA; 2. procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3
* in vitro ** in vivo

SYN[®]-COLL CB

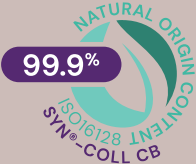
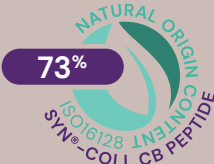
*Activate your Collagen
for lifelong slow aging*



Visibly firmer,
smoother, more
sculpted skin

SYN®-COLL CB

ID Card

INCI NAME:		Palmitoyl Tripeptide-5, Aqua, Glycerin	
TECHNOLOGY:		- Pharma-inspired skincare solution, taking skin health ambition to the next level. - Targeted design and molecular modeling supported by green chemistry - Natural origin tripeptide with unique sequence Palm-Lys-Val-Lys, produced in Europe, TFA-free¹, - Original SYN®-COLL peptide generation patented; CB version patent application pending - Low carbon footprint of 5.2 kg CO₂ eq./kg 99.9% natural origin (ISO 16128), 73% natural origin for the pure peptide	
TECHNICAL:	Form: Liquid	Use level: 1-5%	Solubility: Soluble in water
	pH of use: 3.0-7.0	Preservative: Free	Biodegradability: Readily biodegradable
BENEFITS:		- Collagen Science Pioneer - First TGF-β booster on the market* - Mimics the skin's own mechanism to produce and protect Collagen* - Rebalances inflammation by inhibiting cytokines (TNFα, IL-8)* New – Slow down the aging process from within** New – Significantly supports skin's Collagen reserves, with age-personalized action** New – Protects from UV-induced Collagen degradation already at 1% ** - Sculpts face and neck for a firmer, more lifted appearance** - Refines skin appearance with less visible pores**	
REGISTRATION CERTIFICATION:		    	

1. Non-intentionally added TFA
* in vitro ** in vivo

SYN[®]-HYCAN

*Hyaluronic Acid booster:
firming and remodeling from within*

CB



Restored
skin
volumes

SYN®-HYCAN CB

ID Card

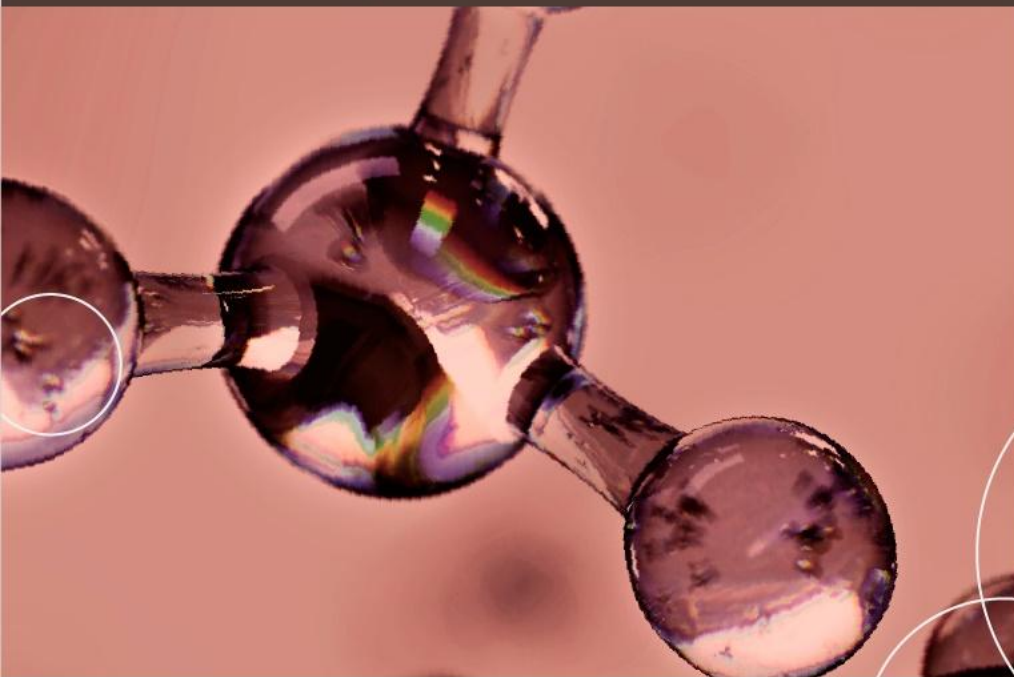
INCI NAME:	Tetradecyl Aminobutyroylvalylaminobutyric Urea Acetate, Glycerin, Aqua, Magnesium Chloride		
TECHNOLOGY:	- Highly potent, natural origin tripeptide, suitable for Clean-Bauty, produced via Green Chemistry Science with an optimized SYN®-Peptide technology, designed to stimulate hyaluronic acid from within - Original SYN®-HYCAN peptide generation patented; CB version patent application pending - TFA-free¹ 99.98% natural origin (ISO 16128) for SYN®-HYCAN CB - 85% natural origin (ISO 16128) for the pure SYN®-HYCAN peptide²		
TECHNICAL:	Form: Liquid pH of use: 3.0-5.5	Use level: 2-5% Preservative: Free	Solubility: Miscible in water
BENEFITS:	- Boosts hyaluronic acid (HA) synthesis in both keratinocytes and dermal fibroblasts* - Increases CD44 expression, a key cellular anchor of HA* - Increases collagen type 1, lumican and decorin levels, important for collagen support & organization* - Provides visible filling effect in just 2 weeks - Lifts even the most difficult areas, such as the neck - Benefits on multiple skin zones (under eye, upper- and mid-cheek, jawline, neck, lip) - Increases skin firmness +200% on cheek area.		
REGISTRATION CERTIFICATION:	    		

1. Non-intentionally added TFA
* in vitro ** in vivo

SYN-EYE®

*Lineless eyes
within 7 days*

CB



Peptides | Pharma-inspired skincare



Smoothened,
energized skin
around the eyes

dsm-firmenich 

SYN-EYE® CB

ID Card

INCI NAME:	Aqua, Palmitoyl Tripeptide-5, Panthenol, Sodium Hyaluronate, Dunaliella Salina Extract, Pentylene Glycol, Citric Acid		
TECHNOLOGY:	- Combines the latest cutting-edge SYN®-Peptide technology, produced via Green Chemistry Science with superior bioactives in a multifunctional eye care formula - TFA-free¹ 69.9% of natural origin (according to ISO 16128)		
TECHNICAL:	Form: Liquid pH of use: 4.5-6.0	Use level: Up to 1% Preservative: no Phenoxyethanol	Solubility: Miscible in water
BENEFITS:	- Visibly reduces the appearance of lines and wrinkles around the eye within 7 days** - Shows a visibly brighter skin color in dark circle area after only 14 days** - Helps to reduce skin roughness, making the delicate skin around the eye look smoother and fresher**		
REGISTRATION CERTIFICATION:	   		

1. Non-intentionally added TFA
* in vitro ** in vivo

SYN-GLOW®

Healthy, youthful, fresh-from-holiday
look all year round



Healthy
glow

SYN-GLOW®

ID Card

INCI NAME:		Benzoyl Dipeptide-18 D-Phenylalanyl Arginyl D-Tryptophan Dipropylamide Mesylate, Aqua, Glycerin	
TECHNOLOGY:	- Highly potent patented pentapeptide, made by cutting-edge SYN®-Peptide technology, designed to highly selectively boost MC1R (Melanocortin-1 receptor), a biochemical switch (off/on) of the Melanin synthesis - From a library of more than 100 peptides, SYN-GLOW® has been identified to be the best candidate to activate MC1R		<i>In silico</i> structure-based peptide design and artificial intelligence (AI), visualized with molecular modelling - TFA-free¹ 99.9% of natural origin (according to ISO 16128)
TECHNICAL:	Form: Liquid	Use level: 1%	Solubility: Miscible in water
	pH of use: 3.0-7.5	Preservative: Free	
BENEFITS:	- Highly selectively MC1R booster* - Significantly boosting key regulators of Melanin synthesis MITF, TYR, TRP1* - Stimulates anti-oxidant defense factor (Nrf2) after UVA-irradiation*		- Healthy, youthful, fresh-from-holiday look all year long** - Promotes a visible healthy glow in just 5 days, with long lasting result and natural personalized effect**
REGISTRATION CERTIFICATION:			
99.9% NATURAL ORIGIN CONTENT ISO 16128 SYN-GLOW® VEGAN FRIENDLY VEGAN HALAL CERTIFICATION SERVICE حلال HALAL CERTIFIED ISLAMIC FOOD COUNCIL OF EUROPE حلال HALAL			

1. Non-intentionally added TFA
* in vitro ** in vivo

SYN[®]-TACKS

*Boosting beauty through
the dermal-epidermal junction*

CB



*Smoother skin,
reduced wrinkles
appearance*

Peptides | Pharma-inspired skincare

dsm-firmenich 

SYN®-TACKS CB

ID Card

INCI NAME:	Palmitoyl Dipeptide-5 Diaminobutyroyl Hydroxythreonine, Palmitoyl Dipeptide-5 Diaminohydroxybutyrate, Aqua, Glycerin		
TECHNOLOGY:	- Combination of two highly active tri- and tetrapeptides, made by latest cutting-edge SYN®-Peptide technology, designed to support the dermal-epidermal junction (DEJ) - TFA-free¹ 99.9% of natural origin (according to ISO 16128)		
TECHNICAL:	Form: Liquid pH of use: 3.0-5.5	Use level: 1-3% Preservative: Free	Solubility: Miscible in water
BENEFITS:	- Improves overall DEJ functionality by significantly stimulating Integrin β4, Laminin V, Collagens IV, VII and XVII, and all at once* - Improves molecular communication and structural integrity skin** - Smoother skin and visible reduction of wrinkle appearance ** - Rejuvenated, more compact skin** - Increased skin suppleness by +35%** - Increased skin tonicity by +31%** - Increased skin firmness by +17%**		
REGISTRATION CERTIFICATION:	   		

1. Non-intentionally added TFA
* *in vitro* ** *in vivo*

SYN-TC[®]

*A new dimension of skin
smoothing in just 28 days*

CB



Plumper
and firmer
skin

SYN-TC® CB

ID Card

INCI NAME:	Tetradecyl Aminobutyroylvalylaminobutyric Urea Acetate, Palmitoyl Dipeptide-5 Diaminobutyroyl Hydroxythreonine, Palmitoyl Tripeptide-5, Aqua, Glycerin, Magnesium Chloride		
TECHNOLOGY:	• Combination of three highly active tri- and tetrapeptides, made by the latest cutting-edge SYN®-Peptide technology, designed to increase the number of collagens • TFA-free¹ • 100% of natural origin (according to ISO 16128)		
TECHNICAL:	Form: Liquid pH of use: 3.0–7.0	Use level: 1–2.5% Preservative: Free	Solubility: Miscible in water
BENEFITS:	• Significantly stimulates Collagens I, III, IV, VII and XVII all at once* • Skin is smoother with a softer touch and improved overall young-looking appearance** • Skin appears plumper** • Skin appears firmer** • Appearance of fine lines and wrinkles is visible reduced**		
REGISTRATION CERTIFICATION:	   		

1. Non-intentionally added TFA
* in vitro ** in vivo

SYN-UP®

Unlock your skin's longevity



*Stronger,
visibly smoother,
and firmer skin*

Peptides | Pharma-inspired skincare

dsm-firmenich 

SYN-UP®

ID Card

INCI NAME:		Amidinobenzyl Benzylsulfonyl D-Seryl Homophenylalaninamide Acetate, Aqua, Glycerin, Citric Acid, Sodium Hydroxide	
TECHNOLOGY:		Highly potent patented dipeptide derivative, made by cutting-edge SYN®-Peptide technology via Green Chemistry Science to rebalance Plasmin activities, which is important for healthy-looking skin	<i>In silico</i> structure-based peptide design and artificial intelligence (AI), visualized with molecular modelling - TFA-free¹ 99.9% of natural origin (according to ISO 16128)
TECHNICAL:		Form: Liquid pH of use: 3.0-7.5	Use level: 1% Preservative: Free Solubility: Miscible in water
BENEFITS:		- Promotes healthy-looking skin by inhibiting Plasmin levels* and rebalancing key bacteria S. Aureus and S. Epidermidis** - Reduces skin sensitivity and redness by modulation MMP 9*/***, CXCL5* and IL-8 activities* - Helps to smooth the skin by preventing the degradation of type IV Collagen*/*** and by stimulating type I Collagen*	- Down-regulates melanin synthesis* - Makes the skin more resilient against stress attacks day-by-day** - Real, significant prevention of dry skin conditions** - Reduces redness and unpleasant skin sensations** - Visibly smoother and firmer skin** - Lighter age spots in just 2 weeks **
REGISTRATION CERTIFICATION:		   	

1. Non-intentionally added TFA
* *in vitro* ** *in vivo* *** *ex vivo*

Key take-outs



- Peptides find good resonance with modern skincare consumers
- With more than 60 years of experience, SYN[®]-PEPTIDES are core technology and key focus area in dsm-firmenich Beauty & Care
- Computer based modelling and Green Chemistry Science offer new opportunities for next generation peptides
- SYN[®]-PEPTIDES are fully substantiated, safe and tested for efficacy

Disclaimer

Copyright © dsm-firmenich Switzerland AG, 2026, 4002 Basel, Switzerland.
www.dsm-firmenich.com. All rights reserved.

dsm-firmenich has used diligent care to ensure that the information provided herein is accurate and up-to-date to the best of its knowledge. However, dsm-firmenich makes no representation or warranty, either expressly or implied, of the accuracy, reliability, completeness, or suitability thereof. The information provided herein contains scientific and product information for business-to-business use and does not constitute or provide scientific or medical advice, diagnosis or recommendation for treatment options. Country or region-specific information should be considered when labelling or advertising to final consumer. In no event shall dsm-firmenich be liable for any direct or indirect damages arising from or reliance upon, or use of, any information provided herein. The content of this document is subject to change without further notice. Please contact your local dsm-firmenich representative for the latest information. All trademarks listed in this document are either (registered) trademarks of, or trademarks licensed by, the dsm-firmenich group of companies, unless explicitly stated otherwise.

Disclaimer Formulation Guideline

The information provided herein is provided for information purposes only and has been prepared by dsm-firmenich in accordance with its own methodology. dsm-firmenich has used diligent care to ensure that it is accurate and up-to-date, however, dsm-firmenich makes no representation or warranty, either expressly or implied, of the accuracy, reliability, or completeness thereof. In no event shall dsm-firmenich be liable for any damages arising from or reliance upon, or use of, any information provided herein. Further, dsm-firmenich shall not bear any liability for the application and/or use of any processed material containing its product(s). The formulation of the finished product is the customer's sole responsibility. It is the customer's responsibility to determine the suitability of dsm-firmenich's products regarding user specific purposes, assess compatibility and stability of their finished product(s) and to ensure compliance of their finished product(s) with relevant laws and regulations. Any product, marketing or other claims made by customer are its sole responsibility. The content of this document is subject to change without further notice. Please contact your local dsm-firmenich representative for further details. © dsm-firmenich Switzerland AG, 2026.

We bring progress to life