



GUIDE FOR FORMULATORS

PRODUCTS FOR A LONGER- LASTING TAN

Discover the key strategies to help maintain a longer-lasting tan, the products that meet this need, and the active ingredients to incorporate into your formulations.

CONTENTS

IN THIS GUIDE

In this guide, we will explore the key strategies to prolong your tan after summer, as well as the cosmetic products and formats expected to shape 2027 trends, together with the active ingredients you can incorporate to achieve optimal performance.

01**WHAT HAPPENS TO OUR SKIN WHEN WE TAN?**

Understanding the tanning process from within.

02**STRATEGIES TO PROLONG YOUR TAN**

Tips, claims and most in-demand products.

03**RECOMMENDED ACTIVE INGREDIENTS**

Selected ingredients for each skin need.

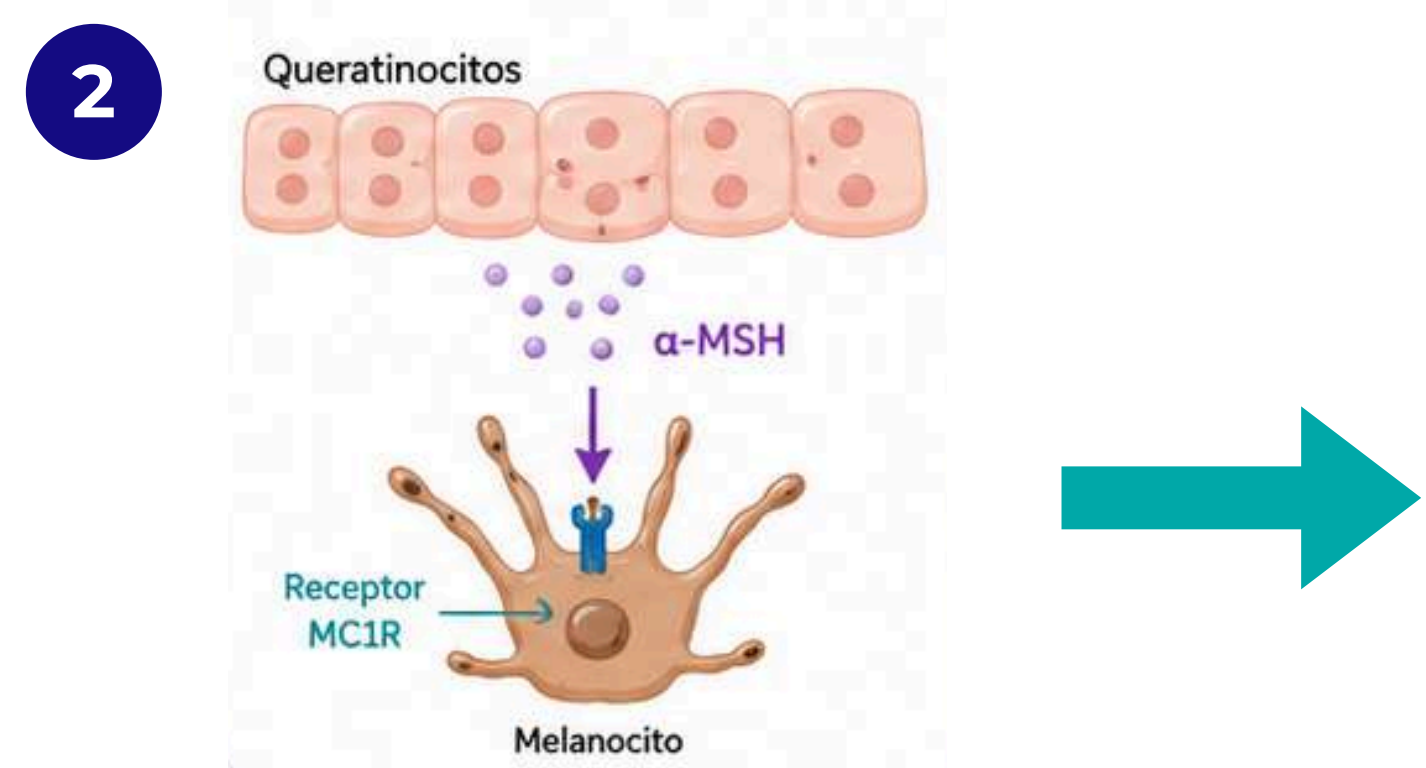
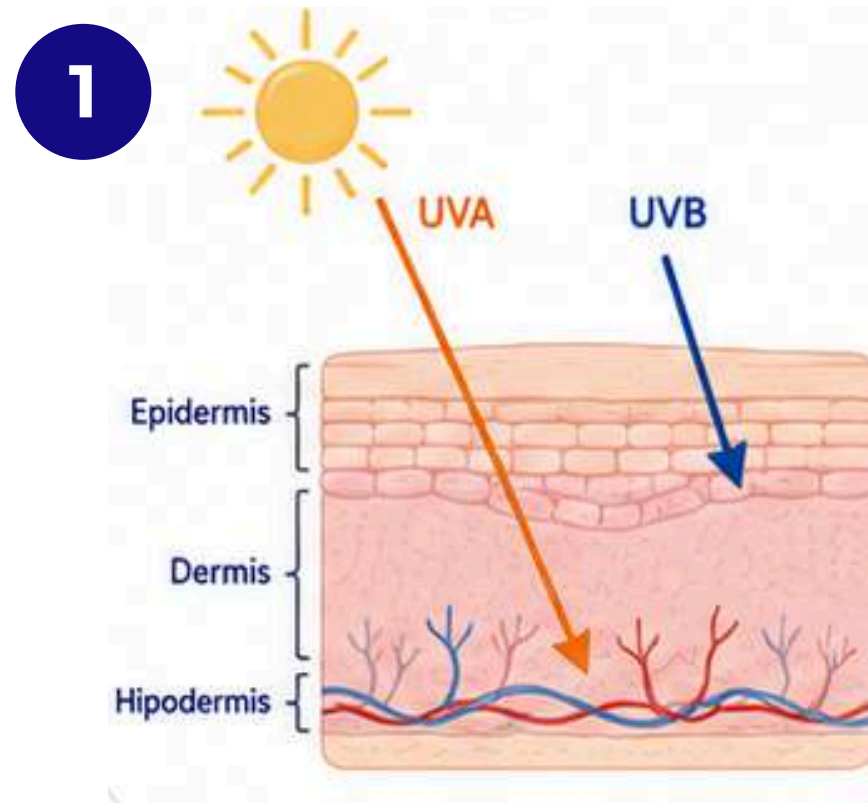
04**FORMULATION IDEAS**

Formulation concepts and positioning claims.



01 WHAT HAPPENS TO OUR SKIN WHEN WE TAN?

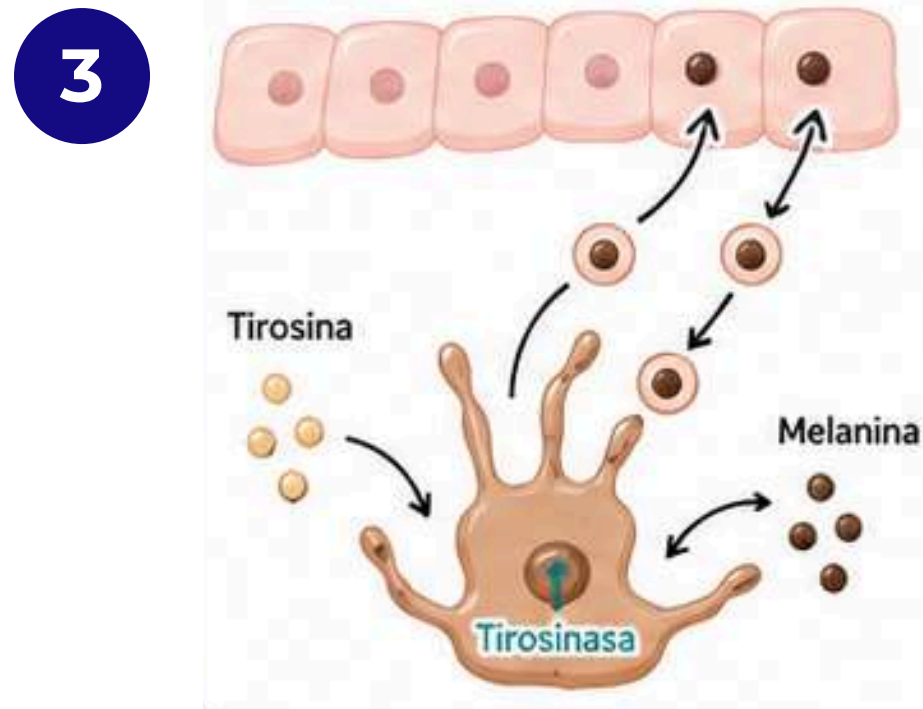
Tanning is a **skin response to ultraviolet radiation**. Exposure to UVA and UVB can cause the darkening of existing melanin and stimulate the synthesis of new melanin, providing limited photoprotection. However, tanning also reflects a **response to UV-induced damage**, including **DNA damage, oxidative stress, inflammation, and impaired skin barrier function**.



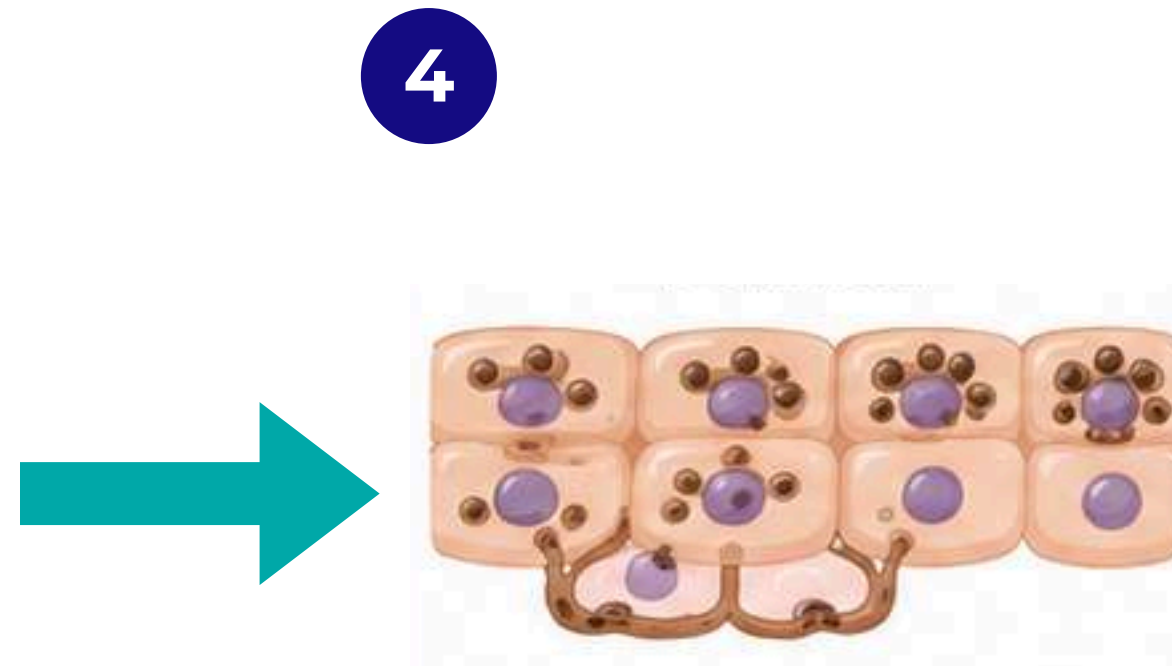
UVA radiation penetrates deeper into the skin and promotes the **oxidation and redistribution of existing melanin**, contributing to **immediate darkening**. It also generates reactive oxygen species and contributes to **photoaging**. **UVB radiation** acts mainly on the epidermis, **induces direct DNA damage and stimulates the synthesis of new melanin**, which is associated with **delayed tanning**.

UVB-induced DNA damage activates cellular response pathways. Through the **p53/POMC** pathway, keratinocytes release signals such as **α-MSH**, which activates the **MC1R receptor** on melanocytes and **stimulates melanogenesis**.

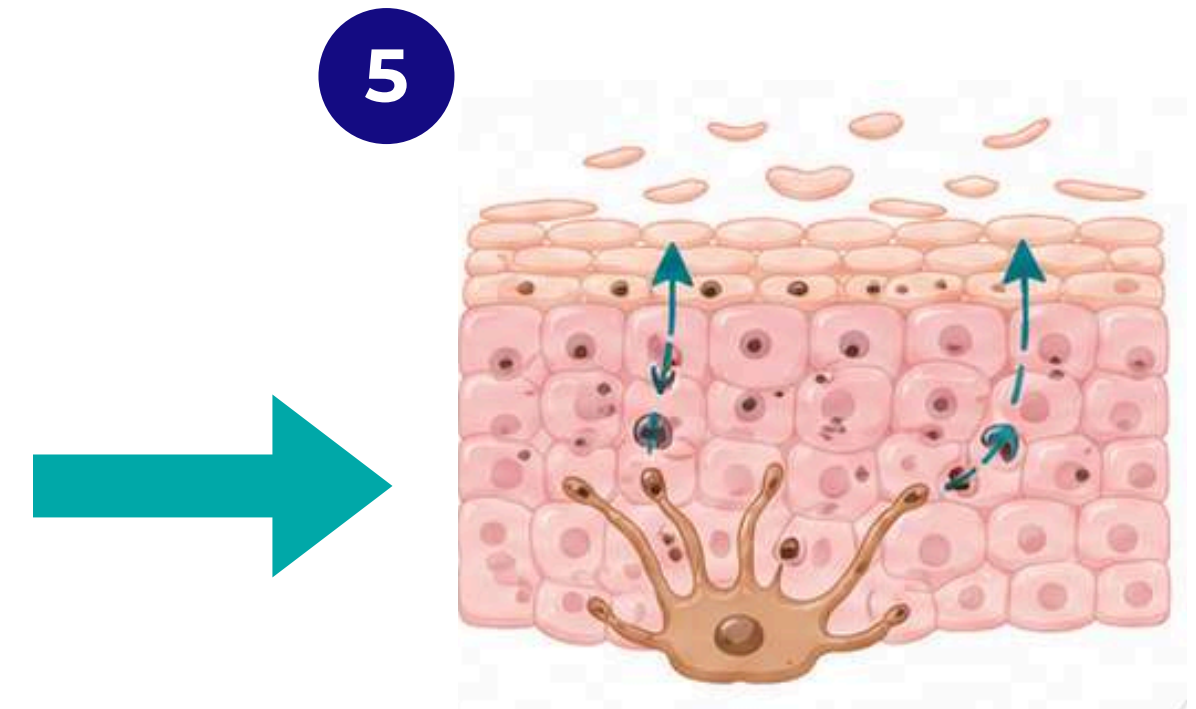
01 WHAT HAPPENS TO OUR SKIN WHEN WE TAN?



The **melanocyte activates melanogenesis** through the **enzyme tyrosinase**, which catalyzes the first steps in the conversion of **tyrosine into melanin**. Melanin is synthesized and stored in **melanosomes**, which are subsequently transferred to **keratinocytes**.



Melanosomes accumulate above the nuclei of keratinocytes, forming a **protective “umbrella”**. The visible result is darker-looking skin, although UV exposure can also induce **oxidative stress and inflammation and compromise skin barrier function**.



Melanin-loaded keratinocytes migrate toward the **superficial layers** of the epidermis and are eventually shed through **desquamation**.

02 STRATEGIES TO PROLONG YOUR TAN

With the natural renewal of the epidermis, melanin-loaded keratinocytes gradually migrate toward the skin surface and are eventually shed through desquamation. **Maintaining a balanced skin barrier and proper hydration helps preserve a smooth, even skin surface and prevent excessive flaking**, contributing to a **more uniform-looking tan**.

01 HYDRATE & STRENGTHEN THE SKIN BARRIER

Well-hydrated skin maintains a more flexible, smooth and even surface. Supporting the skin barrier **helps limit water loss and excessive flaking**, contributing to a tan with a more uniform appearance.

02 SOOTHE & REPAIR AFTER SUN EXPOSURE

UV radiation generates oxidative stress and inflammation and can impair barrier function. Therefore, **after-sun care should go beyond immediate soothing**: continued use helps restore **hydration, comfort and barrier function**, even after sun exposure has ended.

03 PROTECT AGAINST OXIDATIVE STRESS

Antioxidants help neutralize reactive oxygen species (ROS) generated by UV radiation and limit oxidative damage. Ingredients such as **vitamin C** can help maintain **healthy- and radiant-looking skin**.

04 NOURISH FOR MORE SUPPLE SKIN

Emollient oils and lipids help smooth the skin surface, improve suppleness and **support barrier function**. Skin that is less dry and prone to flaking maintains a **more even and radiant appearance**.

03 RECOMMENDED ACTIVE INGREDIENTS

AQSTEM ATACAMA

Smart Hydration

Promotes **AQP3 expression (+66.8%)**, supporting water transport within the epidermis and helping maintain hydrated, supple and even-looking skin.

Ideal for: hydrating lotions, serums and after-sun products.



COBIOBRIGHT

Even Skin Tone & Radiance

Helps **improve skin tone evenness and radiance**, promoting a more even and luminous-looking tan.

Ideal for: brightening serums and body treatments.



03 RECOMMENDED ACTIVE INGREDIENTS

COBIOPHYTONIC GL

Soothing & After-Sun Care

Botanical complex with **soothing and decongesting properties**, ideal for formulas designed to restore skin comfort after sun exposure.

Ideal for: after-sun products, soothing gels and repairing lotions.



LIPO CERAVIT C

Antioxidant Defense

Liposomal system with vitamin C that provides **antioxidant protection** and helps maintain radiant, healthy-looking skin against oxidative stress.

Ideal for: serums, emulsions and post-sun treatments.



03 RECOMMENDED ACTIVE INGREDIENTS

CHIAPROTECT SKIN

Nourishment & Barrier Support

Rich in **essential fatty acids Omega-3 and Omega-6**, it helps nourish and condition the skin, promoting suppleness, comfort and barrier function.

Ideal for: body oils, nourishing emulsions and after-sun products.



INCA OMEGA OIL

Nourishment & Comfort

Sacha Inchi oil rich in **Omega-3 (48%), Omega-6 (37%) and Omega-9 (8%)**, which helps restore skin barrier function and reduce water loss (TEWL).

Ideal for: body oils, after-sun products, nourishing emulsions and repairing balms.



04 FORMULATIONS TO PROLONG YOUR TAN

AFTER-SUN CREAM-GEL (PROT. 271/26)

PHASE	RAW MATERIAL	INCI	%
1	WATER	AQUA	75,20
	PROPANEDIOL	PROPANEDIOL	5,00
	DERMOSOFT OMP	METHYLPROPANEDIOL, CAPRYLYL GLYCOL, PHENYLPROPANOL	3,00
	ALLANTOIN	ALLANTOIN	0,20
	PANTHENOL	PANTHENOL	0,20
2	SEPIPLUS 400	POLYACRYLATE-13, POLYISOBUTENE, POLYSORBATE 20, AQUA, SORBITAN ISOSTEARATE	3,00
	MYRITOL 318	CAPRYLIC/CAPRIC TRIGLYCERIDE	4,00
	CHIAPROTECT	SALVIA HISPANICA SEED OIL	4,00
	BIOXAN T70C	TOCOPHEROL, GLYCINE SOJA OIL	0,20
3	COBIOPHYTONIC GL	GLYCERIN, AQUA, HESPERIDIN METHYL CHALCONE, MALVA SYLVESTRIS FLOWER EXTRACT, AESCULUS HIPPOCASTANUM SEED EXTRACT, HAMAMELIS VIRGINIANA LEAF EXTRACT, RUSCUS ACULEATUS ROOT EXTRACT, ARNICA MONTANA FLOWER EXTRACT	5,00
4	PERFUME	PARFUM	0,20
TOTAL			100,00

MANUFACTURING PROCESS

1. Add Phase 1 to the reactor and homogenize.
2. Add Phase 2 to Phase 1 and continue homogenizing.
3. Add Phase 3 to Phases 1+2 and homogenize.
4. Add Phase 4 to Phases 1+2+3 and homogenize.

POSITIONING CLAIMS

- Post-sun recovery
- Soothing
- Helps improve skin elasticity
- Nourishing



Note: It is the formulator's responsibility to ensure the stability of the formulation by carrying out the necessary tests.

04 FORMULATIONS TO PROLONG YOUR TAN

DRY-TOUCH OIL (PROT. 272/26)

PHASE	RAW MATERIAL	INCI	%
1	CETIOL LC	COCO-CAPRYLATE/CAPRATE	35,00
	SWEET ALMOND OIL	PRUNUS AMYGDALUS DULCIS OIL	15,50
	SUNFLOWER OIL	HELIANTHUS ANNUUS SEED OIL	8,00
	CETIOL CC	DICAPRYLYL CARBONATE, TOCOPHEROL	10,00
	MYRITOL 318	CAPRYLIC/CAPRIC TRIGLYCERIDE	20,00
	PHYTOSQUALENO	SQUALANE	5,00
	CHIAPROTECT	SALVIA HISPANICA SEED OIL	5,00
	VITAMIN E ACETATE	TOCOPHERYL ACETATE	1,00
	BIOXAN T70	TOCOPHEROL, GLYCINE SOJA OIL	0,20
4	PERFUME	PARFUM	0,30
TOTAL			100,00

Note: It is the formulator's responsibility to ensure the stability of the formulation by carrying out the necessary tests.

MANUFACTURING PROCESS

1. Add Phase 1 to the reactor and homogenize.
2. Add Phase 2 and homogenize.

POSITIONING CLAIMS

- Soothing properties
- Helps reduce redness and itching
- Dry, silky feel
- Helps improve skin elasticity
- Supports skin barrier function



04 FORMULATIONS TO PROLONG YOUR TAN

TAN-PROLONGING FACE CREAM (PROT. 270/26)

PHASE	RAW MATERIAL	INCI	%
1	DEMINERALIZED WATER	AQUA	56,60
	GLYCERIN	GLYCERIN	3,00
	DERMOSOFT OMP	METHYLPROPANEDIOL, CAPRYLYL GLYCOL, PHENYLPROPANOL	3,00
2	EMULLIUM DELTA	CETYL ALCOHOL, GLYCERYL STEARATE, PEG-75 STEARATE, CETETH-20, STEARETH-20	5,00
	LANETTE O OR	CETEARYL ALCOHOL	0,50
	APIFIL CG	PEG-8 BEESWAX	1,50
	SHEA BUTTER	BUTYROSPERMUM PARKII BUTTER	5,00
	MYRITOL 318	CAPRYLIC/CAPRIC TRIGLYCERIDE	3,00
	SWEET ALMOND OIL	PRUNUS AMYGDALUS DULCIS OIL	5,00
	FANCOL ID-CG	ISODODECANE	3,00
	DOW CORNING 200/350	DIMETHICONE	3,00
	BIOXAN T70C	TOCOPHEROL, GLYCINE SOJA OIL	0,20
3	SEPIGEL 305	POLYACRYLAMIDE, AQUA, C13-14 ISOPARAFFIN, LAURETH-7	1,00
4	LIPOCERAVIT C	GLYCERIN, ASCORBYL TETRAISOPALMITATE, GLUCOSYL CERAMIDE, PENTYLENE GLYCOL	3,00
	AQSTEM ATACAMA	CISTANTHE GRANDIFLORA CALLUS EXTRACT, GLYCERIN, PENTYLENE GLYCOL	2,00
	COBIOBRIGHT	PROPANEDIOL, POUTERIA LUCUMA PULP EXTRACT	5,00
5	PERFUME	PARFUM	0,20
TOTAL			100,00

Note: It is the formulator's responsibility to ensure the stability of the formulation by carrying out the necessary tests.

MANUFACTURING PROCESS

1. Add Phase 1 to the reactor, homogenize and heat to 80°C.
2. Premix Phase 2 and heat to 80°C.
3. Add Phase 2 to Phase 1 and emulsify.
4. Add Phase 3 to Phases 1+2 and homogenize using a high-shear mixer.
5. Cool Phases 1+2+3, then add the active ingredients from Phase 4 one by one, homogenizing after each addition.
6. Add Phase 5 to Phases 1+2+3+4 and homogenize.

POSITIONING CLAIMS

- Intense, long-lasting hydration
- Helps prevent dryness and flaking
- Nourishes and softens the skin
- Helps maintain an even, radiant-looking tan





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