

Product opportunities in topical treatment

AKVANO® technology is available to companies wishing to innovate, develop or improve new and existing products in areas like pharmaceuticals, biocides, cosmetics and medical devices. So far, more than 80 active ingredients have been successfully incorporated into AKVANO, of which more than 50 are active pharmaceutical ingredients (APIs).

AKVANO is designed for local treatment, not for systemic delivery.

FORMULATION OF NEW CHEMICAL ENTITIES (NCEs) FOR TOPICAL TREATMENT

REFORMULATION OF EXISTING PRODUCTS FOR TOPICAL TREATMENT

Examples of APIs used in prototype pharmaceutical formulations are:

- Antibacterial agents (e.g. fucidin)
- Antifungal agents (e.g. terbinafine)
- Corticosteroids (e.g. betamethasone, hydrocortisone and mometasone)
- NSAIDs (e.g. diclofenac)
- Analgesics (e.g. capsaicin)
- Local anesthetics (e.g. lidocaine)
- Antipsoriatic agents (e.g. calcipotriol)
- Anti-alopecia agents (e.g. minoxidil)
- Anti-acne agents (e.g. adapalene)
- Wound healing agents (e.g. dexpanthenol)
- Steroid hormones (e.g. estradiol)

Examples of substances successfully incorporated into AKVANO

Pharmaceuticals (APIs)

Adapalene	Indomethacin
Benzocaine	Isotretinoin
Benzoyl peroxide	Ketoprofen
Benzyl nicotinate	Lidocaine
Betamethasone dipropionate	Lidocaine hydrochloride
Betamethasone valerate	Methyl nicotinate
Calcipotriol	Methyl salicylate
Calcitriol	Miconazole nitrate
Calcium pantothenate	Minoxidil
Cannabidiol	Mometasone furoate
Capsaicin	Mupirocin
Clindamycin hydrochloride	Naproxen
Clobetasol propionate	Niacinamide
Curcumin	Prilocaine
Cyclosporin A	Salicylic acid
Dehydrocholesterol	Tacrolimus
Dexpanthenol	Terbinafine hydrochloride
Diclofenac sodium	Tetracaine
Econazole nitrate	Tolnaftate
Estradiol	Tretinoin
Fusidic acid, sodium salt	Vitamin A
Hydrocortisone	Vitamin C
Hydrocortisone acetate	Vitamin D3
Ibuprofen	Vitamin E

Other ingredients

Allantoin
Aloe vera powder/flakes
Aluminum chloride
Avobenzone
Bemotrizinol
Benzalkonium chloride
Camphor
Chlorhexidine
Citric acid
Deet
Diethylamino hydroxybenzoyl hexyl benzoate
Dihydroxyacetone
Eucalyptus oil
Glycolic acid
Lactic acid
Lauric acid
Menthol
Octanediol
Octisalate
Octocrylene
Oxybenzone
Povidone-iodine
Sesame oil
Sodium lactate
Thyme oil
Urea
Zinc phenolsulfonate



Lipidor AB