

PharmaClinix®

Advanced Cosmeceuticals



- ❖ **Fast acting**
- ❖ **Complex formulations**
- ❖ **Clinically proven ingredients**
- ❖ **Economical price**



UK's top selling Professional Skincare

PharmaClinix Ltd, Unit 3 Issigonis House, Cowley Road, London, W3 7UN, UK

Acnex®

Acnex®, the new revolutionary the oil free cream, which is Clinically proven to;

- Prevent Acne
- Treat Acne
- Reduce Pigmentation due to Acne



Acnex®

Acnex® has been formulated after studying new and established clinical studies on the most effective ingredients to combat the problems associated with Acne.



Acnex®

This unique combination of ingredients;

- Decrease Sebum production
- Decrease microbial count
- Decrease hyper pigmentation
- Decrease kartin production.
- Decrease inflammation



Acnex®

Octadecenoic Acid (ODA)

It is the only known molecule that acts at every stage in the Pathogenesis of acne.

ODA is a Dioic acid like Azelaic acid :-

- Direct antimicrobial
- Peroxisome Proliferator Activated Receptor (PPAR α γ δ) agonist, which
 - Decrease Hyperkeratinisation
 - Decrease Sebum Production
 - Decrease melanin production
 - Decrease inflammation



Acnex®

The following results show that Octadecenoic Acid (ODA) is upto 50 times more active than Azelaic Acid (AZA) against P.Acnes.



Acnex®

POWERFUL ANTI-BACTERIAL

Invitro Minimum Inhibitory Concentrations (M.I.C)

Micro-organisms	Azelaic Acid (%)	Azelaic Acid (mM/l)	Octadecenoic Acid (ODA) (%)	Octadecenoic Acid (ODA) (mM/l)	AZA:ODA (Ratio)
P.Acnes	1.25	66	0.04	1.3	52
S.Aureus	25	133	0.07	2.2	59
S.Epidermidis	≥25	≥133	0.31	9.9	≥13



Acnex®

Radiolabelled Penetration Tests

In an independent research there was
30.3% of ODA transdermal
penetration and 20.6% of AZA
transdermal penetration.



Acnex®

Phase 1 Trial

A Double blind study on 59 volunteers aged 16-35 measuring microbial skin count showed , that only ODA acid and Benzoyl Peroxide significantly reduce P.Acnes.

	Micrococcus	P.Acnes	Adverse Reactions
Octadecenoic Acid (ODA)	↓	↓	NONE
Azaleic Acid (AZA)	↓	NO ACTIVITY	-
Benzoyl Peroxide (BPO)	↓	↓	92% DRY, SCALING AND BURNING



Acnex®

Phase 2 Trial

60 Patients in double blind Placebo controlled trial with Octadecenoic Acid and Benzoyl Peroxide:

Showed a Reduced lesion count ($P \leq 0.05$) with BPO & ODA.



but BPO had 92% adverse reactions of burning and scaling even at 5% concentration of BPO.

Acnex®

Niacinamide 4%

Action of Niacinamide in Acne:

- Anti-inflammatory
- Anti-Seborrhoeic
- Exfoliant
- Niacinamide

reduced Melanosome transfer by 25-45%.



Acnex®

In a co-cultural of Melanocytes & Keratinocytes, when incubated with Niacinamide 4% for 4 days, showed a melanosome transfer inhibition of 25%-45% .Therefore reduces hyperpigmentation.



(Boissy and Colleagues 59th Annual Meeting of American Academy of Dermatology, Washington 2001)

Acnex®

Two further Studies with Niacinamide showed the following results:

- 18 females with hyperpigmented facial spots, significantly reduced spot areas at 4 and 8 weeks
- 120 Japanese subjects, with facial tanning in a split face study, showed significant skin lightness at 4 and 6 week time points (with $P \leq 0.05$)



(Hakozaki Etal 60th Annual Meeting American Academy of Dermatology, New Orleans, 2002)

Acnex®

Double blind trial on 76 patients comparing 4% Niacinamide with 1% Clindamycin for 8 weeks showed:

Test	Niacinamide 4%	Clindamycin 1%
Clinical Improvement	82% Improvement	68% Improvement
Papuls/Pustules count	60% Reduction	43% Reduction



***INTERNATIONAL. J. OF DERMATOLOGY. 6/1995 SHALITA. A. R.
(Department of dermatology, New York State Medical College)***

Acnex®

Recent study by Biedermann Etal showed :

Effect of Niacinamide and Trans-Retinoic Acid on cultured biopsies from face lift surgeries over 4 days ($P < 0.01$). This shows that Niacinamide is more effective than Retinoic acid in reducing sebum production.

	Niacinamide (25 mMol)	Trans-Retinoic Acid
Triglyceride and Fatty Acid	-42 %	-32%



Acnex®

ENANTIA CHLORANTHA AND OLEANOLIC ACID (E.c.O complex)

Clinical study over 28 days on women with oily and enlarged pores, applying twice daily a cream containing 3% E.c.O complex to one half of the face, showed:

Test	Result
Shine on Nose	Decrease ↓ 27%
Pore Surface	Decrease ↓ 16%
Active Sebaceous Glands	Decrease ↓ 28%
Sebum Secretion	Decrease ↓ 32%



Acnex®

So what's so special about Acnex®?

Just check out the proven ingredients, all formulated in this unique formula, which addresses all causes of acne.

1. REDUCE SEBUM PRODUCTION

- Niacinamide
- Octadecenedioic Acid
- Oleonic Acid
- *Enantia Chlorantha* Extract



Acnex®

2. REDUCE HYPERKERATINISATION OF FOLLICLE THAT BLOCK THE GLAND

- Octadecenedioic Acid
- Salicylic Acid



Acnex®

3. REDUCE BACTERIAL COUNT

- Octadecenedioic Acid
- Salicylic Acid
- Oleanolic Acid
- Panthenol
- *Enantia Chlorantha* Extract
- *Morinda Citrifolia* Fruit Extract



Acnex®

4. REDUCE INFLAMMATION

- Niacinamide
- Octadecenedioic Acid
- Salicylic Acid
- Panthenol
- *Morinda Citrifolia* Fruit Extract



Acnex®

5. REDUCE HYPERPIGMENTATION

- Niacinamide
- Octadecenedioic Acid
- *Cimicifuga Racemosa* Root Extract
- *Glycyrrhiza Glabra* Extract



Clinically tested, Licensed & Produced in EU

Conclusion



Acnex®

PERFECT COMBINATION

www.Acnex.com