

# Eflornithine HCl 11.5% w/w Cream - 30 g

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Prepared for: SpecializedRx base selection

This worksheet provides two compounding options for a 30 g batch of eflornithine HCl 11.5% w/w: a water-based option using VersaCream™ PRO (vanishing o/w cream), and an anhydrous option using PentraCream™ Anhydrous Hybrid Transdermal Base. Select the vehicle based on clinical need and regulatory/BUD considerations.

## Common Parameters

Active: Eflornithine hydrochloride (topical)

Target Strength: 11.5% w/w

Batch Size: 30.00 g

Calculation: Eflornithine HCl required =  $0.115 \times 30.00 \text{ g} = 3.45 \text{ g}$ . If API assay  $\neq 100\%$ ,  
adjust: Required (g) =  $3.45 \div (\text{assay}/100)$ .

## Option A — VersaCream™ PRO (Water-Based Vanishing Cream)

Formula:

- Eflornithine HCl 3.45 g (adjust for assay)
- Purified Water q.s. to dissolve (~2–3 g)
- VersaCream™ PRO q.s. to 30.00 g

## Method (Option A)

1. Weigh materials and place API in mortar.
2. Dissolve API in minimal purified water.
3. Geometrically incorporate with VersaCream™ PRO until uniform.
4. q.s. to 30.00 g, mix thoroughly.
5. Package and label.

## Option B — PentraCream™ Anhydrous Hybrid Base

Formula:

- Eflornithine HCl 3.45 g (adjust for assay)
- Glycerin/Propylene Glycol 0.5–1 g (optional pre-wet)
- PentraCream™ Anhydrous q.s. to 30.00 g

## Method (Option B)

1. Weigh and triturate API finely.

2. Pre-wet with glycerin/PG if used.
3. Geometrically incorporate into PentraCream™ Anhydrous.
4. q.s. to 30.00 g, mix until uniform.
5. Package and label.

### Typical Labelling & Counselling

- Apply thin film twice daily, at least 8 hours apart.
- Wash hands after use. External only.
- Onset of effect 4–8 weeks; reverses if stopped.
- Stop and seek advice if irritation occurs.

### BUD & Storage Summary

Option A (Water-Based): Default BUD 30 days (USP <795>). Store below 25 °C.

Option B (Anhydrous): Default BUD up to 6 months (USP <795>). Store below 25 °C.



For reference only / no liability. This worksheet is provided as general information to qualified pharmacists. The compounding pharmacist is solely responsible for verifying formula suitability, calculations, stability, beyond-use dating, labelling, and compliance with local regulations and professional standards.