

Compounding Formula: Aminolevulinic Acid Cream (20 Percent)

Active Ingredient

- 5-Aminolevulinic Acid Hydrochloride (ALA HCl): 20 percent w/w

Base Options

- VersaCream Pro: Transdermal liposomal base
- Pntracream: Penetration-enhancing anhydrous base

Batch Size Example (10 g)

- ALA HCl: 2.0 g
- VersaCream Pro or Pntracream: q.s. to 10 g

Compounding Method

1. Weigh 2.0 g of ALA HCl
2. Geometrically incorporate into chosen base using mortar and pestle
3. Mix thoroughly to a smooth, uniform cream
4. Package in airless pump or UV-protective jar
5. Label: 'For External Use Only. Store in refrigerator. Use within 30 days.'

Stability and Storage

- Light-sensitive and unstable in water
- Use anhydrous or pH-buffered base
- Store at 2-8 C, protected from light
- USP 795 BUD: 30 days refrigerated unless otherwise supported

Cautions

- May cause photosensitivity
- Avoid sunlight or bright indoor light for at least 40 hours after application
- Ensure use is clinically appropriate, e.g., for photodynamic therapy

Disclaimer: This formulation is provided as a general recommendation for licensed professionals. It does not replace clinical judgment or local regulatory requirements. Stability and efficacy should be verified under actual compounding conditions.