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### SUGGESTED FORMULA

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#### RETINOIC ACID 0.4% TOPICAL SOLUTION

Version number: 1.0

Volume: 100 ML

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Retinoic Acid (Tretinoin, Powder USP)	0.4 g
Butylated Hydroxytoluene, NF	0.2 g
Alcohol, 190 Proof, USP	60 mL
Polyethylene Glycol 300, NF	QS 100 mL

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Wear appropriate personal protective equipment.

This preparation should be prepared in a biological safety cabinet or barrier isolator

### SUGGESTED COMPOUNDING PROCEDURES

1. Accurately weigh and/or measure each ingredient
2. In a calibrated vessel add retinoic acid and butylated hydroxytoluene in alcohol, stir and allow ingredients to thoroughly dissolve
3. Bring solution to final volume with polyethylene glycol 300, and stir to mix thoroughly
4. Package in light resistant, glass containers and label
5. Suggested quality assessments:
  - a. Clarity
  - b. Color
  - c. Label (s)- auxiliary labels (external use), storage, BUD

Protect from light.

Store in amber glass bottle

Store Refrigerated

No claims are made as to the safety or efficacy of this preparation. This formulation is provided solely at the unsolicited request of the pharmacist.

Beyond-Use Dates of preparations are conservative estimates by the formulator using reference books, peer-reviewed literature, intended duration of therapy, formulation from commercially available products, organoleptic observations and current USP guidelines. Compounders may have stability studies performed by a reputable laboratory if they wish to extend the Beyond-Use Date. It is recommended that you follow USP <795> recommendations for potency testing.

**Beyond-Use Date is estimated to be 14 days per USP Chapter <795>**

**Precautions:**

Hazardous drugs should be handled according to USP, NIOSH standards and pharmacy SOPs. This preparation should be compounded in a vertical airflow hood, in a biological safety cabinet or barrier isolation technology. Precautions should be taken to prevent cross-contamination and exposure of ingredients to the compounder and contamination of the preparation by the compounder. Wear appropriate personal protective equipment.

05/16 rd