



---

### SUGGESTED FORMULA

---

#### **Azathioprine 50mg/mL Oral Suspension**

Version number: 1.0

Volume: 100 mL

---

Azathioprine, USP (A1383)	5gm
Liquid Flavor of Choice (Optional)	1.6mL
Vehicle for Oral Solution, NF	50mL
Vehicle for Oral Suspension, NF	50mL Q.S.

---

\*Formulations for Vehicle for Oral Suspension & Solution can be found at  
[SpectrumRx.com](http://SpectrumRx.com)>Services>Formulations

#### **SUGGESTED COMPOUNDING PROCEDURES**

1. Weigh Azathioprine and place in glass mortar and pestle
2. Dry triturate to break down any clumps in the chemical
3. Add enough of liquid into mortar and pestle to form a “paste”
4. Triturate until all Azathioprine is broken down and incorporated into liquid
5. Add more liquid until pourable mixture and pour into calibrated final container
6. Perform liquid “washes” in mortar and pestle to integrate remaining chemical
7. Pour each “wash” into final container taking precaution not to go over the final volume
8. Q.S. medication and shake well.
9. pH should be 3.8 - 4.8 adjust if necessary
10. Suggested Quality Assessments – follow pharmacy SOPs:
  - a. Weight to Volume calculation
  - b. Color
  - c. Pourability
  - d. Settling
  - e. Resuspendability

Store in air tight amber plastic containers  
Store Room Temperature or 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, and 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.

**Precautions:**

Hazardous drugs should be handled according to USP and 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.

**Beyond-Use Date is estimated to be 60 Days per Trissel's Stability of Compounded Formulations 5<sup>th</sup> Edition**

Although much attention has been paid to ensure the accuracy of the formulation contained here, Spectrum Pharmacy Products accepts no liability for the loss or damage arising from reliance on the information. Compounding pharmacists using this formula take full responsibility for the formulations and hold Spectrum Pharmacy Products and Spectrum Chemical Mfg Corp. and its officers, directors and employees harmless for any claim arising from use of or reliance on information contained therein.

06/15 JD