

## COMPOUND EVALUATION FORM

<b>Compound Name:</b> Thioguanine	<b>Container-closure system(s):</b> Amber glass bottle
<b>Strength:</b> 20 mg/mL	<b>Preservatives:</b> Ora-Plus/Ora-Sweet
<b>Dosage Form:</b> Oral suspension	<b>Beyond Use Date (compound type):</b> 63 days
<b>Product Description:</b> Opaque solution	<b>Storage:</b> Room temperature
<b>Auxiliary Labels:</b> Shake well	
<b>Quality control procedures (ex: pH test, etc.):</b> None	
<b>Ingredients:</b> Thioguanine 40 mg tablets Ora-Plus Ora-Sweet	

**Instructions for preparation:****Calculations:**

1. In a BSC, Crush tablets in a mortar and triturate to a fine powder.
2. Measure an amount of Ora-Plus equal to half of the final volume in a graduate cylinder. Wet powder with a minimal amount of the Ora-Plus and levigate to form a viscous, but smooth and uniform paste.
3. Continue adding Ora-Plus, geometrically, mixing well after each addition.
4. Transfer to a graduate.
5. Rinse mortar with Ora-Sweet, adding rinse to graduate.
6. QS to final volume with Ora-Sweet. Stir well.

**Equipment/ Supplies:**

- |   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Mortar and Pestle     | <input checked="" type="checkbox"/> Stirring rod       | <input type="checkbox"/> Ointment slab |
| <input checked="" type="checkbox"/> Graduated cylinder(s) | <input type="checkbox"/> Spatula                       | <input type="checkbox"/> Balance       |
| <input type="checkbox"/> Weigh paper                      | <input checked="" type="checkbox"/> Amber glass bottle | <input type="checkbox"/> Ointment jar  |
| <input checked="" type="checkbox"/> Counting tray         | <input type="checkbox"/> Syringe                       | <input type="checkbox"/> Funnel        |

**References:**

1. Aliabadi HM, Romanick M, Somayaji V, et al. Stability of compounded thioguanine oral suspensions. Am J Health Syst Pharm. 2011 May 15;68(10):900-8. doi: 10.2146/ajhp100163.
2. Correction, Stability of Compounded Thioguanine Oral Suspensions. Am J Hosp Pharm. 2011 Jul 15; (68): 1278

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