

**Question:**

What is the apparatus and material used in experiment of acetylglycine was prepared by reaction of glycine with acetic anhydride?

**Answer:**

Required reagents are:

- Glycine 0.10 g
- Acetic anhydride  $\approx$  3 ml
- Distill water

Instrumentation and glassware:

- Heating mantle
- Conical vial 5 ml
- Filtrating flask with Büchner funnel
- Magnetic stirrer
- Watch glass (rod glass)
- Ice bath
- Thermometer

Thermometer is used for measuring melting point of the resulted substance.

Filtrating flask with Buchner funnel is a kind of apparatus used for filtration. It looks the following way:

