aqueous (NaOH) layer - acidify until precipitate forms

filter paper

H.örnich funnel adapter to vacuum

Benzonic acid can be washed w/ small quantities of ice cold water, B.A. has lower solubility in cold water, but not zero solubility,

*Skip recrystallization for now!

drying agent - usually a dehydrated hydrate, such as MgSO₄, CaSO₄, ZnSO₄, used to remove water (not just any liquid) from an organic solution,

- usually, a dry agent will clump together in organic solution in the presence of water. If, after drying bias occurred, there is still powderized drying agent left over (in addition to the clumped material), enough drying agent was added.

Evaporating ether recommendation:

1) Use tared flask
   - stir bar
   - stirring hot plate
   - heat gently while stirring

2) B.P. 34.5°C auto ignition > 160°C vacuum

- flow control adapter
- gear shaped flask

- spinvane
In a mixture of acids with distinct pKₐ values, the acids can be individually isolated by extracting first with a weak base, then using a stronger base for each subsequent extraction.