



Solubility of sulfanilamide in 95% ethyl alcohol.

1. Calculate how much 95% ethyl alcohol will be required to dissolve 0.75 g of sulfanilamide at 78°C. Use the graph above to make this calculation. The reason for making this calculation is so you will know ahead of time the approximate amount of hot solvent you will be adding.
2. Using the volume of solvent calculated in step 1, calculate how much sulfanilamide will remain dissolved in the mother liquor after the mixture is cooled to 0°C.

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