

College of Pharmacy	الكلية
Pharmaceutical Chemistry	القسم
Pharmaceutical Organic Chemistry II	المادة باللغة الانجليزية
الكيمياء العضوية الصيدلانية	المادة باللغة العربية
Fourth grade	المرحلة الدراسية
Assistant Lecturer : Amal Anwar Mohammed	اسم التدريسي
Recrystallization of Aspirin	عنوان المحاضرة باللغة الانجليزية
إعادة بلورة الاسبرين	عنوان المحاضرة باللغة العربية
4	رقم المحاضرة
	المصادر والمراجع

محتوى المحاضرة

Re crystallization

Recrystallization is a technique used to purify chemicals, by dissolving both impurities and a compound in an appropriate solvent, either the desired compound or impurities can be removed from the solution, leaving the other behind. It is named for the crystals often formed when the compound precipitates out.

Alternatively, recrystallization can refer to the natural growth of larger ice crystals at the expense of smaller ones.

To test the aspirin for trace salicylic acid, we use three or four drops of iron (III)chloride ($FeCl_3$) solution.

Recrystallization of Aspirin

- 1 .Add 3 grams of aspirin to 10 ml of Ethanol.
- 2 .Place the mixture in a water bath at 40°C until the aspirin dissolves.
- 3 .Add 10 ml of distilled water, cover the mixture for 10 minutes, then cool it in an ice bath.
4. Filter the crystals.

