

Crystals and pharmaceuticals

A single molecule can crystallise under different forms while presenting the same chemical characteristics in solution. This is polymorphism, which plays a significant role in the effectiveness of medicines.

Medicines are generally administered orally and are usually in solid powder form. The active molecule responsible for the medicinal effect is wrapped in a complex mixture of support materials. Together they become more or less crystallised. The polymorphism which results from the different arrangement of molecules generates different forms of crystallisation. e cristaux.

It is important to **control the shape and size of the crystals** containing the active medicinal molecule, as these parameters may influence the speed at which the molecule dissolves and thus the effectiveness of the medicine.







