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### **Pharmaceutical Salts And Co Crystals**

From crystal structure prediction to totally empirical screening, the quest for new crystal forms has become one of the most challenging issues in the solid state science and particularly in the pharmaceutical world. In this context, multi-component crystalline materials like co-crystals have received renewed

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interest as they offer the prospect of optimized physical properties.

### **Pharmaceutical Salts and Co-crystals (RSC Publishing)**

In the pharmaceutical industry, co-crystals are becoming increasingly valuable as crystalline solids that can offer altered/improved physical properties of an active pharmaceutical ingredient (API) without changing its chemical identity or biological activity.

### **Special Issue "Pharmaceutical Salts and Co-Crystals"**

This unique book focuses on the currently 'hot topic' of Pharmaceutical Salts and Co-crystals and covers the following key topics: the fundamental aspects of salts and co-crystals; the role of fluorine in weak interactions in co-crystals; polymorph prediction of small organic molecules, co-crystals and salts; shape and polarity in co-crystal formation; the role of co-crystals

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in pharmaceutical ...

## **Pharmaceutical Salts and Co-crystals (Drug Discovery ...**

A novel opportunity of hot-melt extrusion are pharmaceutical co-crystals, co-amorphous systems, and pharmaceutical salts. Learn more here. pharma-excipients - News. News Feed on Excipients; Excipient basics. Excipient Solutions for CBD; Inorganic Chemicals. Calcium Carbonate; Calcium Phosphates;

## **Pharmaceutical Co-crystals, Salts, and Co-amorphous ...**

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## **Pharmaceutical Salts and Co-crystals**

1. Introduction. For ionisable drugs (anionic, cationic and zwitterionic) salt formation is the simplest, most cost-effective strategy to address poor aqueous solubility and enhance bioavailability (Berge et al., 1977a, Berge et al., 1977b, Gould, 1986, Serajuddin, 2007). In addition to the positive impact on solubility, salts can beneficially affect the purity of the active pharmaceutical ...

## **Use of pharmaceutical salts and cocrystals to address the**

...

Co-crystals A pharmaceutical co-crystal is a crystalline form that can be used to change pharmaceutical properties, such as solubility, dissolution, stability, hygroscopicity, or bioavailability. Co-crystals can be used in early development for animal pharmacokinetic studies, in human clinical trials, and in marketed products.

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## **Co-crystals**

Co-crystals of nevirapine prepared by using maleic acid as a co-former the aqueous solubility was enhanced 14, 15 and Co-crystals of exemestane and maleic acid showed high dissolution rate. 16 ...

## **PHARMACEUTICAL CO-CRYSTALS -AN UPDATE | Request PDF**

Pharmaceutical Co-Crystals . ... o If, however, it is determined that the classification of the pharmaceutical solid as a salt or co-crystal is not predicated on these relative pKa values, ...

## **Regulatory Classification of Pharmaceutical Co-Crystals**

...

On August 16, 2016, the US food and drug administration published a draft guidance Regulatory Classification of

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Pharmaceutical Co-Crystals. In this guide, the FDA suggests treating co-crystals as polymorphs, as long as proof is presented to rule out the existence of ionic bonds. Energetic materials

## **Cocrystal - Wikipedia**

- Salts and salt co-crystals are additional solid forms pharmaceutical scientists can use to change properties of an API.
- Salts and salt co-crystals can exhibit polymorphism and polymorph screening should be performed to find stable, metastable, hydrated, and solvated salt forms.
- Issues, such as disproportionation and hygroscopicity ...

## **Salts - Crystal Pharmatech**

The recently published FDA industry guidance on their regulatory classification of co-crystals has probably further manifested this uncertainty, as the FDA takes a completely different view-point on co-crystals than on salts. In this guidance, co-crystals are

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merely being considered as drug-product intermediates, i.e. as a formulation product ...

### **Pharmaceutical salts of small molecule drugs**

Cocrystals are very interesting and useful product. In this paper the main information about cocrystals is presented. It is shown that cocrystals are solid substances, which consist of few components mixed together.

### **Pharmaceutical Cocrystals - ScienceDirect**

From crystal structure prediction to totally empirical screening, the quest for new crystal forms has become one of the most challenging issues in the solid state science and particularly in the pharmaceutical world. In this context, multi-component crystalline materials like co-crystals have received renewed interest as they offer the prospect of optimized physical properties.



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## **Pharmaceutical Salts and Co-crystals - Google Books**

Pharmaceutical salts and co-crystals Johan Wouters , Luc Quéré , Multi-component crystalline materials (salts and co-crystals) have received renewed interest due to their importance in the pharmaceutical industry, and pharmaceutical co-crystals and salts represent an emerging class of pharmaceutical materials offering the prospect of optimized physical properties, giving new, stable and ...

## **Pharmaceutical salts and co-crystals | Johan Wouters; Luc**

...

Pharmaceutical salts and co-crystals represent an emerging class of pharmaceutical materials offering the prospect of optimized physical properties giving new stable and patentable solid forms. Indeed these multi-component crystalline forms influence relevant physico-chemical parameters such as

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solubility, ...

## **Pharmaceutical Salts and Co-crystals (Drug Discovery ...**

Pharmaceutical co-crystal formation represents a straightforward way to dramatically influence the solid-state properties of a drug substance, particularly its solubility and hence bioavailability. This short review summarises this highly topical field, covering why the topic is of interest in pharmaceutical formulation, the definitions and practical scope of co-crystals, co-crystal ...

## **The role of co-crystals in pharmaceutical design: Trends**

...

drugs. salts and co-crystals can be considered as opposite ends of multi-component structures.<sup>16-17</sup> Salt are often chosen in case of the free acid or base as these can improve crystalline, solubility and stability of a pharmaceutical compound. Co-crystals are an alternative

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