Article

Supporting Information

Discovery, characterization, and pharmaceutical applications of two loratadine- oxalic acid cocrystals

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**Table S1.** Summary of crystal form screening results.

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| **Coformer** | **Solvent** | **Method** | **Solid form by PXRD** |
| Nicotinic Acid | Ethyl acetate | slow evaporation | Nicotinic Acid |
| Malonic acid | Ethyl acetate | slow evaporation | None crystalline |
| Benzoic acid | Ethyl acetate | slow evaporation | None crystalline |
| Oxalic Acid | Ethyl acetate | slow evaporation | New peaks |
| Oxalic Acid | Acetone | slow evaporation | New peaks |
| DL- Maleic acid | Acetone | Slurry/cooling | No solid |
| Maleic acid | Acetone | Slurry/cooling | No solid |
| Succinic acid | Acetone | Slurry/cooling | Succinic acid |
| Fumaric acid | Acetone | Slurry/cooling | Fumaric acid |

|  |  |
| --- | --- |
| **Figure S1**. Standard curve of Lor in pH = 6.8 phosphate buffer    2. **Figure S2**. Effects of Oxa amount on phase change during slurry experiments. Lor to Oxa ratios are given.     **Figure S3**. PXRD patterns of Lor-Oxa hydrate powder stored at 100 °C    **Figure S4**. PXRD patterns of Lor-Oxa CAB and Lor-Oxa hydrate powders after solubility study in phosphate buffer.     1. **Figure S5**. IDR profile of Lor-Oxa CAB in the first 16 min.   图片包含 室内, 白色, 美食, 就坐  描述已自动生成  **Figure S6**. Lamination of Lor-Oxa hydrate tablet compressed at 350 MPa.    **Figure S7**. PLM images of (a) Lor, (b) Lor-Oxa CAB, and (c) Lor-Oxa hydrate for powders used for tablet compression |  |