



STRUCTURAL SCIENCE
CRYSTAL ENGINEERING
MATERIALS

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2 **Volume 71 (2015)**

3 **Supporting information for article:**

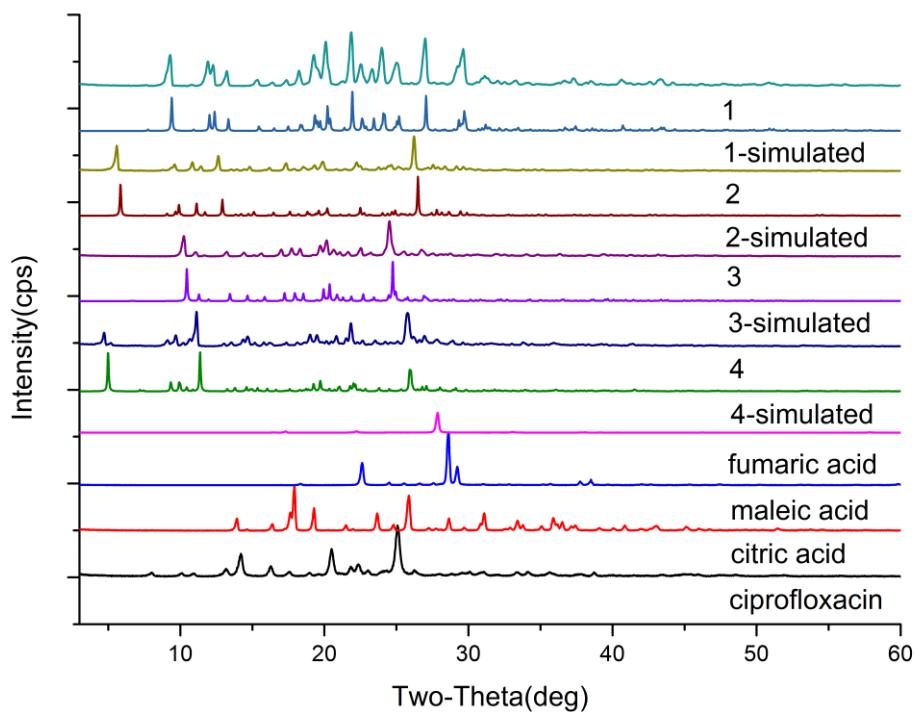
4 **Salt Screening and Characterization of Ciprofloxacin**

5 **Guoshun Zhang, Li Zhang, Dezhi Yang, Na Zhang, Lan He, Guanhua Du and**
6 **Yang Lu**

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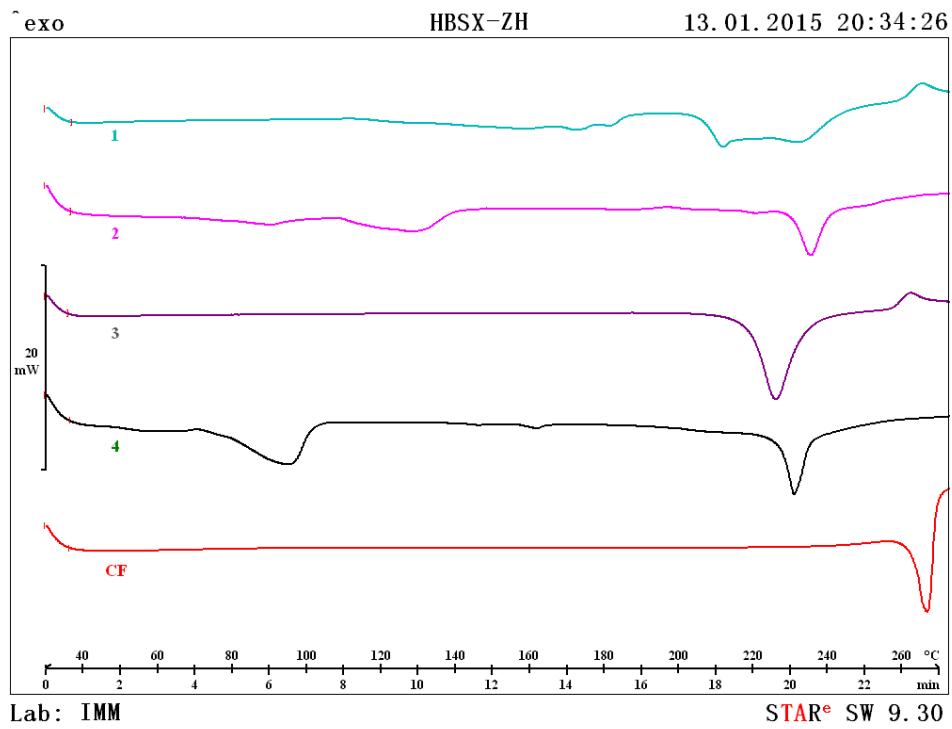
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11 **Figure S1** PXRD plots of the used acids, ciprofloxacin and its salts. 1, 2, 3 and 4 are,
12 respectively, ciprofloxacin fumarate monohydrate, ciprofloxacin fumarate trihydrate, ciprofloxacin
13 maleate and ciprofloxacin citrate tetrahydrofuran trihydrate. -simulated represents the theoretical
14 powder pattern.

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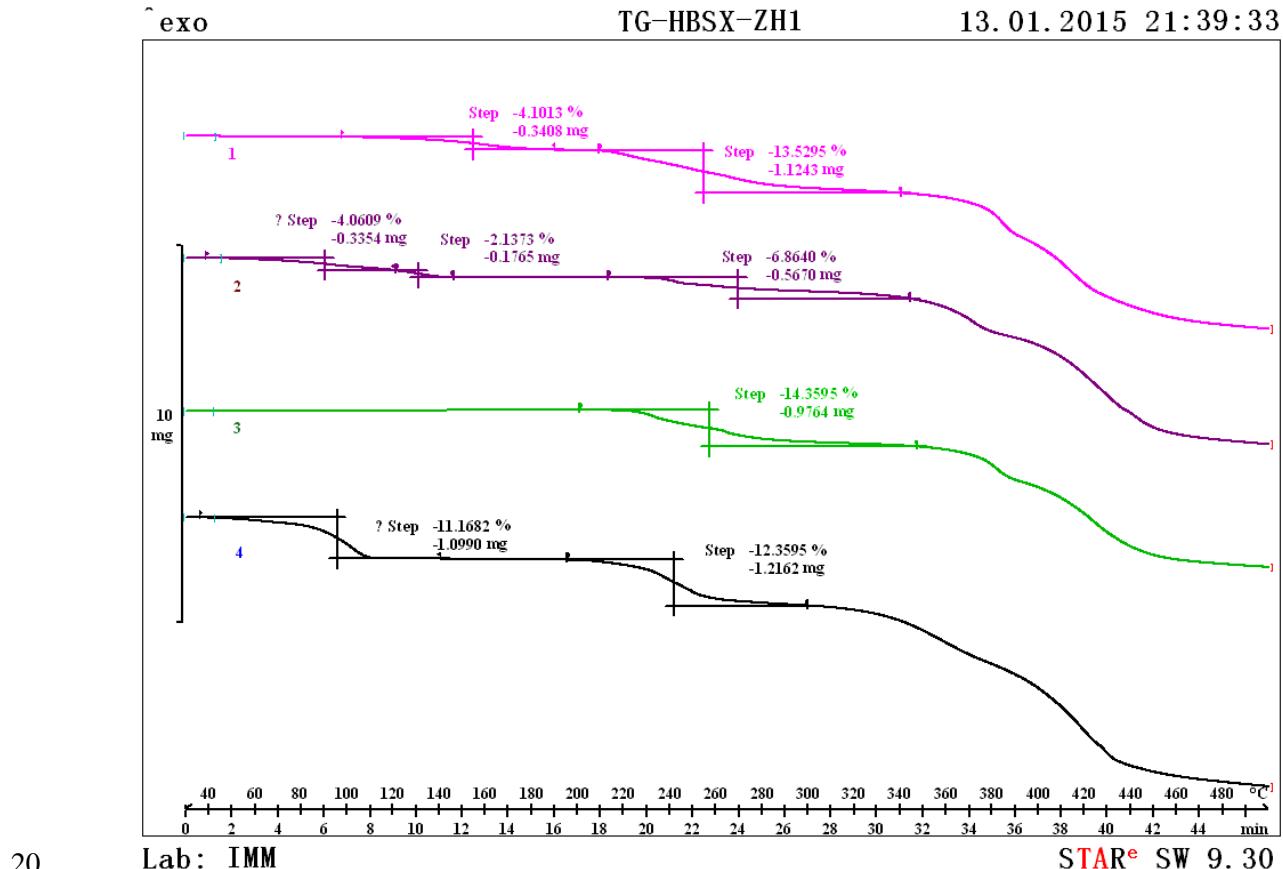


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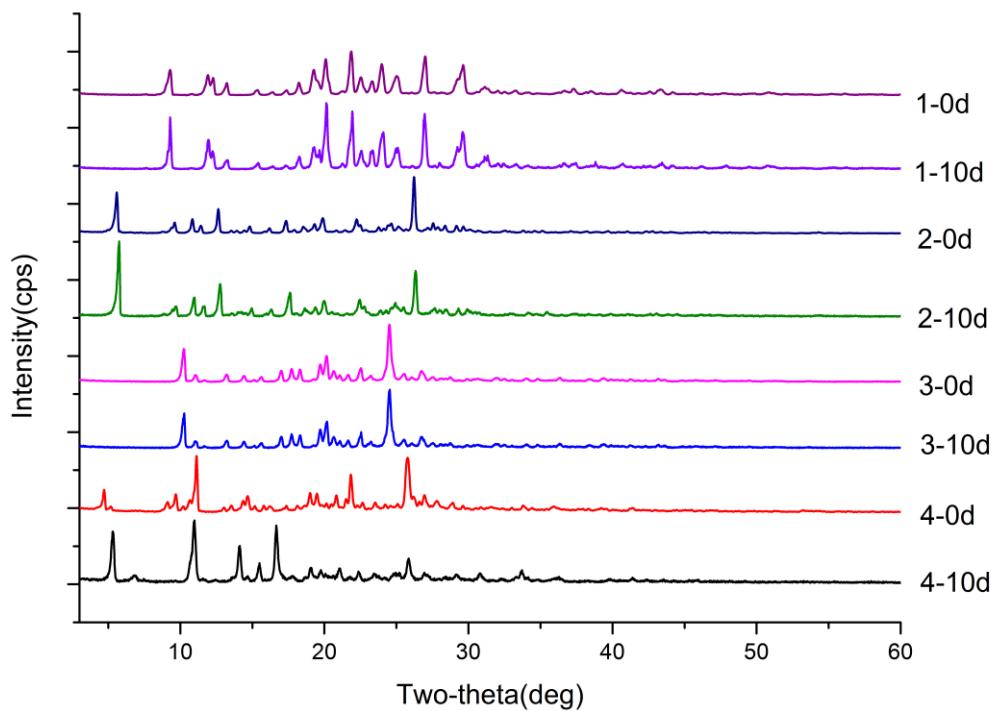
Lab: IMM

STAR^e SW 9.30

17 **Figure S2** DSC profiles of ciprofloxacin and its salts. 1, 2, 3, 4, and CF are, respectively,
18 ciprofloxacin fumarate monohydrate, ciprofloxacin fumarate trihydrate, ciprofloxacin maleate,
19 ciprofloxacin citrate tetrahydrofuran trihydrate, and ciprofloxacin.



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21 **Figure S3** TG profiles of the salts of ciprofloxacin. 1, 2, 3, and 4 are, respectively, ciprofloxacin
22 fumarate monohydrate, ciprofloxacin fumarate trihydrate, ciprofloxacin maleate, and ciprofloxacin
23 citrate tetrahydrofuran trihydrate.



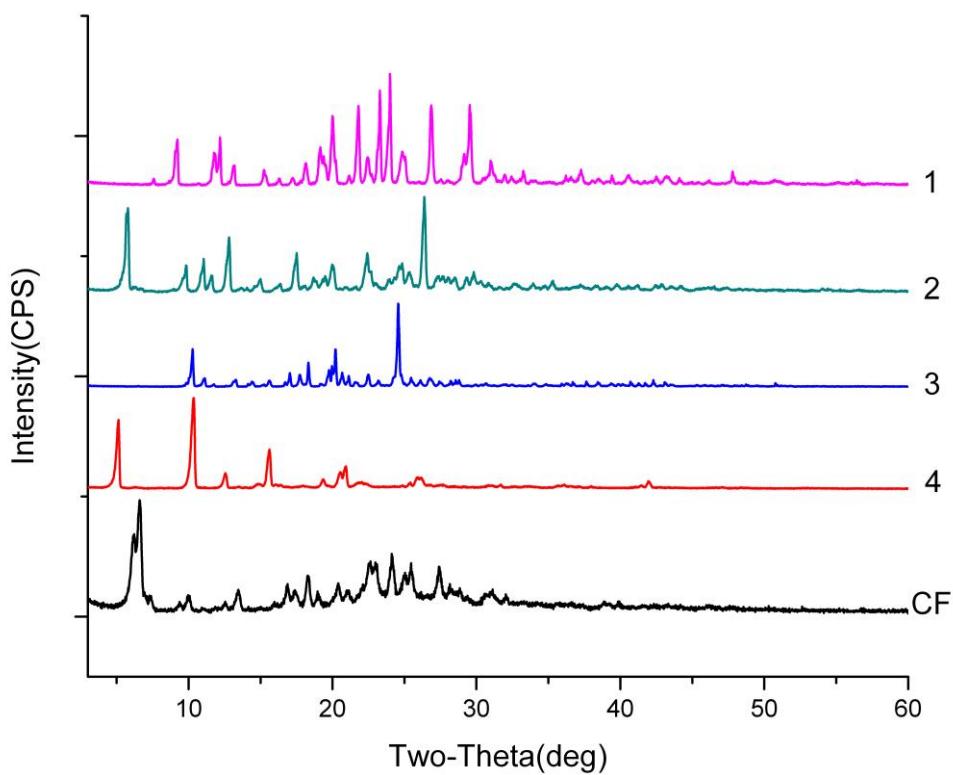
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26 **Figure S4** PXRD plots of the salts of ciprofloxacin maintained at 333 K for 0 and 10 days. 1, 2, 3,
27 and 4 are, respectively, ciprofloxacin fumarate monohydrate, ciprofloxacin fumarate trihydrate,
28 ciprofloxacin maleate, and ciprofloxacin citrate tetrahydrofuran trihydrate.

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32 **Figure S5** PXRD plots of the undissolved material after the dissolution experiment. 1, 2, 3, 4,
33 and CF are, respectively, ciprofloxacin fumarate monohydrate, ciprofloxacin fumarate trihydrate,
34 ciprofloxacin maleate, ciprofloxacin citrate, and ciprofloxacin.

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