Investigations on Growth Intensification of p-Toluamide Crystal

Based on Growth Rate Analysis and Molecular Simulation

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Fig. S3. 13C solid-state NMR spectra of p-toluamide crystals without (A0) and with different additives (A1-A4).
Table S1. Experimental mole fraction solubility of p-Toluamide in methanol from 293.1 K to 308.1 K under $p = 101.3$ kPa.$^a$

<table>
<thead>
<tr>
<th>$T$ / K</th>
<th>293.1</th>
<th>298.1</th>
<th>303.1</th>
<th>308.1</th>
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</thead>
<tbody>
<tr>
<td>$x$</td>
<td>0.0271</td>
<td>0.0308</td>
<td>0.0358</td>
<td>0.0414</td>
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</tbody>
</table>

$^a$ Standard uncertainties are $u(T) = 0.05$ K and $u(p) = 0.3$ kPa. Relative standard uncertainty is $ur(x) = 0.05$.

**Fig. S1** The schematic diagram of the model size ($d_\nu$, $d_s$, $U$, $V$ and $d_\epsilon$).

**Fig. S2** X-ray power diffraction patterns of p-toluamide crystals in methanol at 299.1 K without (A0) and with different additives (A1-A4).
Fig. S3: $^{13}$C solid-state NMR spectra of $p$-toluamide crystals without (A0) and with different additives (A1-A4).