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# Rapid and selective recovery of acetophenone from petrochemical effluents by crosslinked starch polymer

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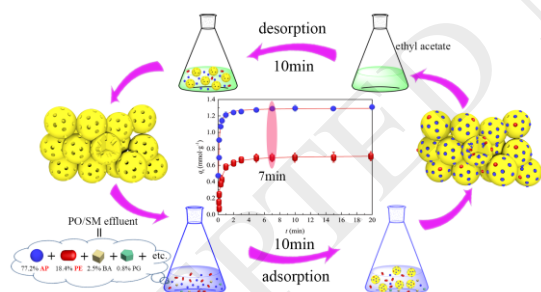
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## Graphic abstract-



## Highlights

- A crosslinked starch polymer with phenyl-rich mesoporous structure was fabricated.
- CSTO displayed an extraordinarily rapid adsorption rate and a desirable selectivity toward AP.
- Adsorption mechanism was proposed through theoretical calculations.
- CSTO was used for recovery of AP from petrochemical effluent.

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