

Catalyst

Reductive Catalyst for Flow Reaction
DMPS-Pt/AC-CP、DMPS-Pd/SiO₂

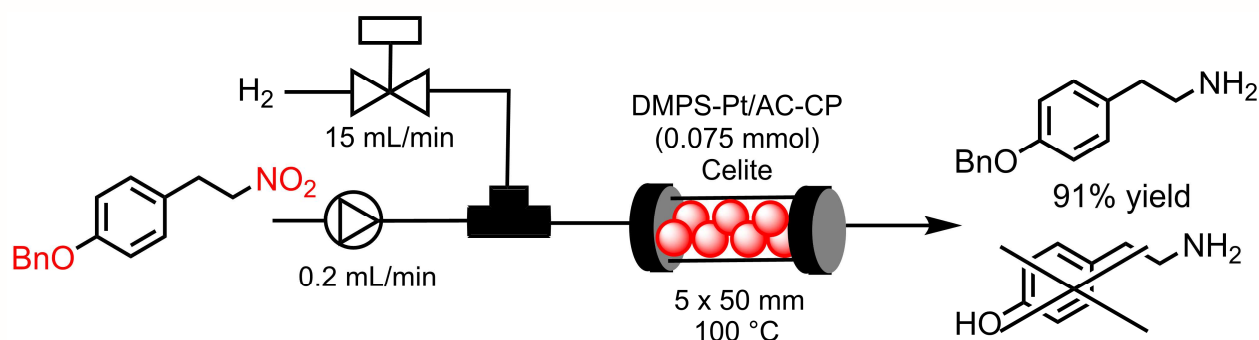
DMPS-Pt/AC-CP

Features

- A novel dimethylpolysilane-modified Pt catalyst, supported on a mixture of activated carbon (AC), and calcium phosphate (CP).
- Application for selective hydrogenation of nitro compounds and alkenes.

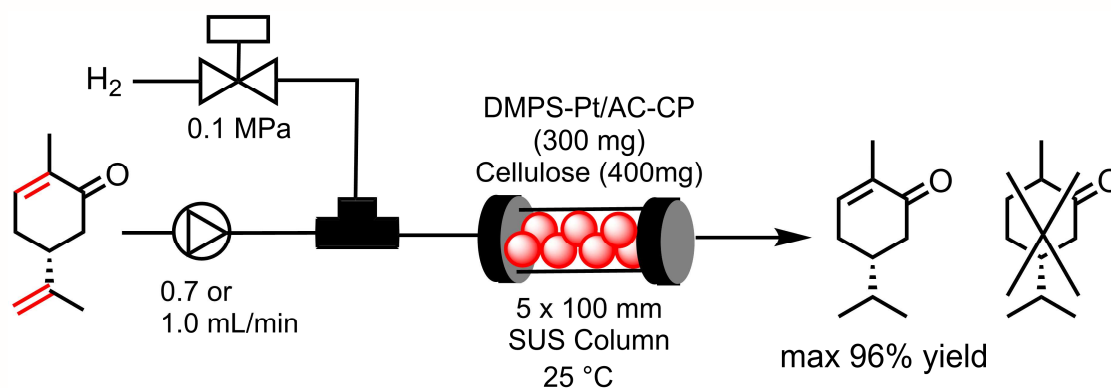
Examples

< Selective hydrogenation of nitro compounds >



Ishitani, H. *et al.* : *Chem. Asian J.*, **15**, 1688 (2020).

< Selective hydrogenation of alkenes >



Miller, S. J. *et al.* : *Org. Process Res. Rev.*, **25**, 192 (2021).

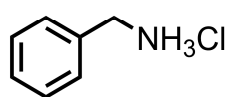
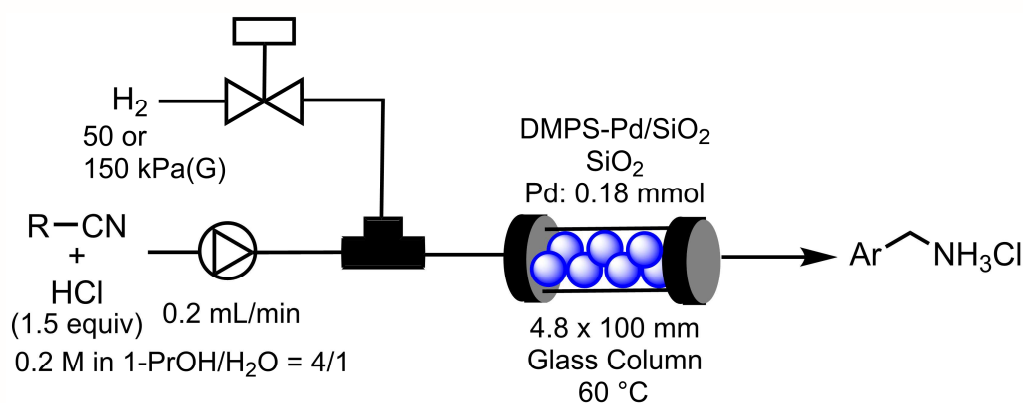
DMPS-Pd/SiO₂

Features

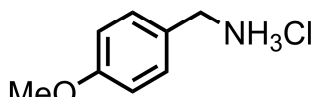
- A novel dimethylpolysilane-modified Pd catalyst, supported on silica gel.
- Application for hydrogenation of nitriles to primary amines.

Examples

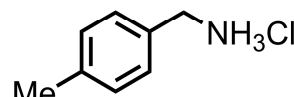
<Hydrogenation of nitriles>



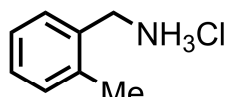
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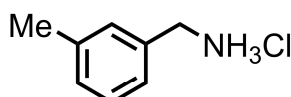
99%



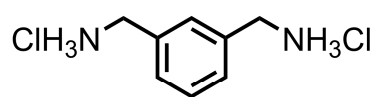
99-quant.



quant.



99-quant.



99%

Saito, Y. *et al.* : *ChemistryOpen*, **6**, 211 (2017).

Product List

Code No.	Product Name	Package Size	Storage conditions
048-34751	DMPS-Pt/AC-CP	500mg	keep below 25 degrees C
045-34761	DMPS-Pd/ SiO_2	1g	keep below 25 degrees C

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