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### **Xylenes Synthesis Characterization And Physicochemical**

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### **(PDF) Synthesis and Characterization of Nitro-p-xylenes**

Trinitro-p-xylene was used as a starting material for the synthesis of other compounds in subsequent work. The mononitration of p-xylene can be easily carried out at 30°C. Nitro-p-xylene is easily nitrated to dinitro-p-xylene at a temperature of 80°C. The trinitro-p-xylene can be obtained at 120°C.

### **Synthesis and Characterization of Nitro-p-xylenes - mdpi.com**

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In this paper we studied the synthesis of the various nitro-p-xylenes and selected the optimal conditions for this reaction. We grew single crystals from an appropriate solution and studied the crystal structures of 2,3-DPX and TPX.

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Synthesis, Characterization, and m-Xylene Sensing Properties of Co-ZnO Composite Nanofibers Li Liu, Zhicheng Zhong, Zhijun Wang, Lianyuan Wang, Shouchun Li, Zhen Liu, Yu Han, Yunxia Tian, Peilin Wu, and Xin Mengy zState Key Laboratory of Superhard Materials, College of Physics, Jilin University, Changchun 130012, China yCollege of Instrumentation and Electrical Engineering, Jilin ...

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The corresponding response is up to 14.8 when the sensor is exposed to 100 ppm m-xylene, and the response and recovery times are about 4 and 6 s, respectively. Moreover, excellent selectivity is also observed in the sensing investigation.

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