

# Supporting Information

for

## **Air-stable, recyclable, and time-efficient diphenylphosphinite cellulose-supported palladium nanoparticles as a catalyst for Suzuki–Miyaura reactions**

Qingwei Du and Yiqun Li\*

Address: Department of Chemistry, Jinan University, 510632 Guangzhou,

China

Email: Yiqun Li\* - tlyq@jnu.edu.cn

\*Corresponding author

### **IR for catalyst and selected products**

#### **Content**

IR Cell–OPPh <sub>2</sub> .....	S2
IR Cell–OPPh <sub>2</sub> –Pd <sup>0</sup> .....	S2
IR <b>3b</b> .....	S3
IR <b>3e</b> .....	S3
IR <b>3k</b> .....	S4
IR <b>3n</b> .....	S4

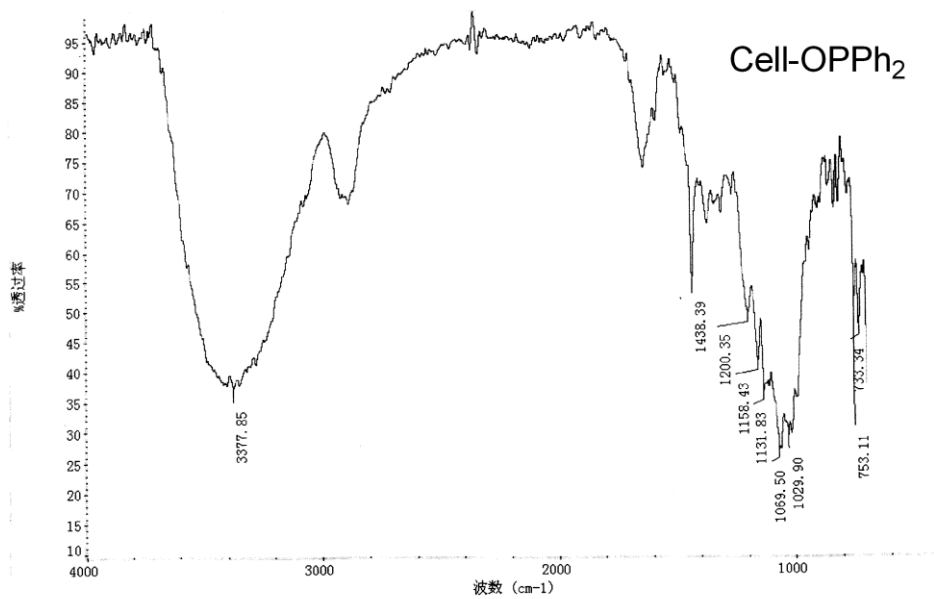


Figure 1: IR of Cell-OPPh<sub>2</sub>.

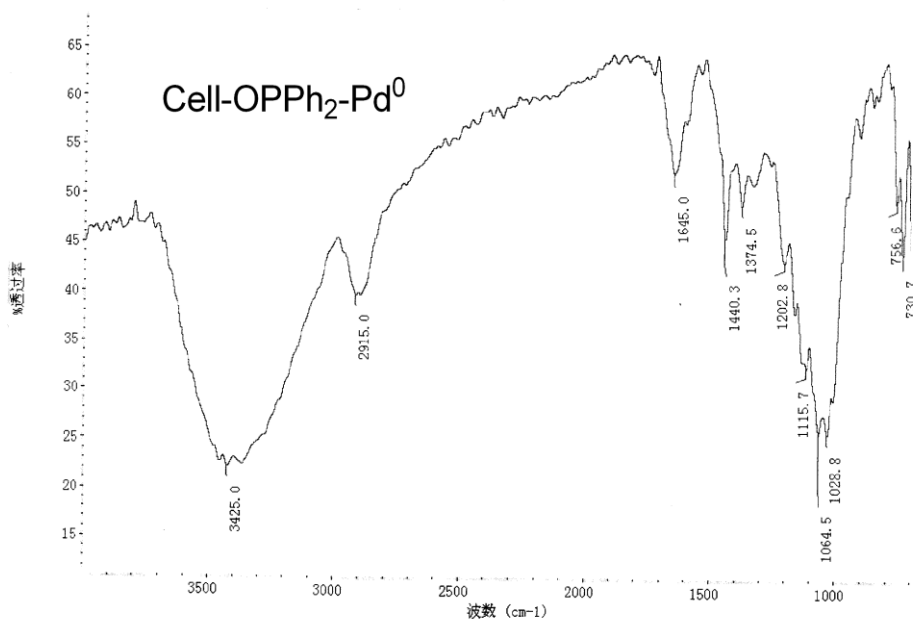


Figure 2: IR of Cell-OPPh<sub>2</sub>-Pd<sup>0</sup>.

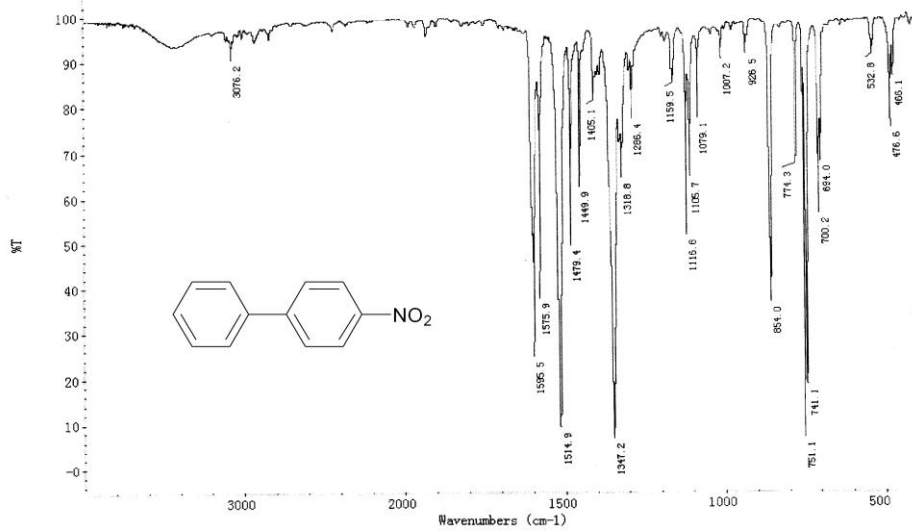


Figure 3: IR of 4-nitro-biphenyl (3b).

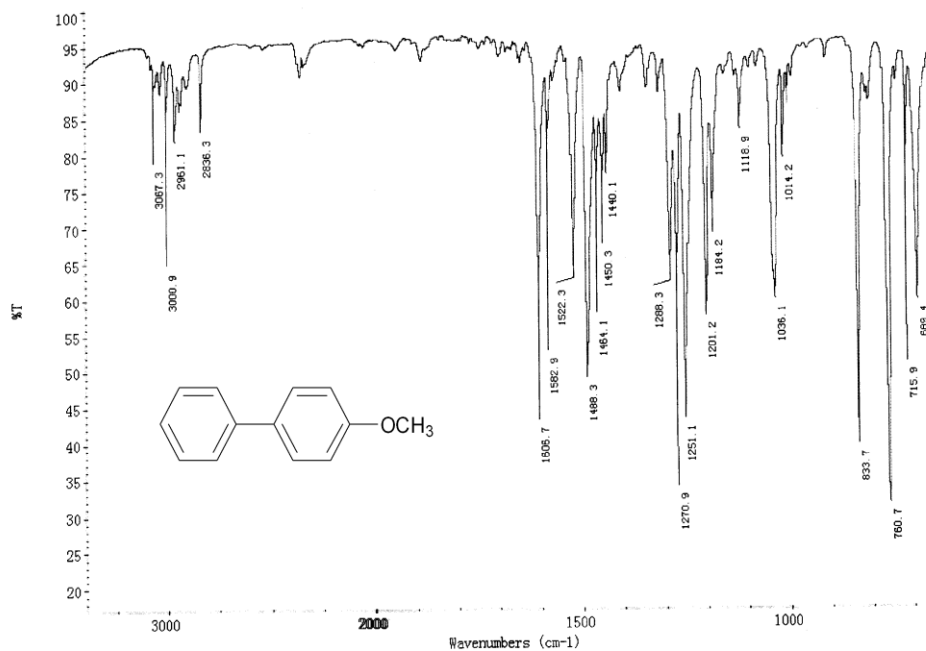


Figure 4: IR of 4-methoxy-biphenyl (3e).

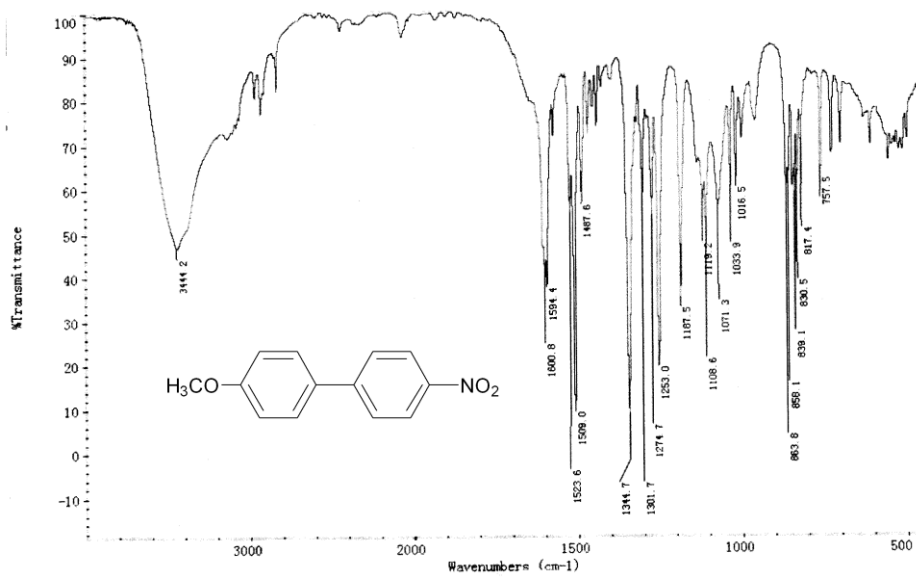


Figure 5: IR of 4'-methoxy-4-nitrobiphenyl (**3k**).

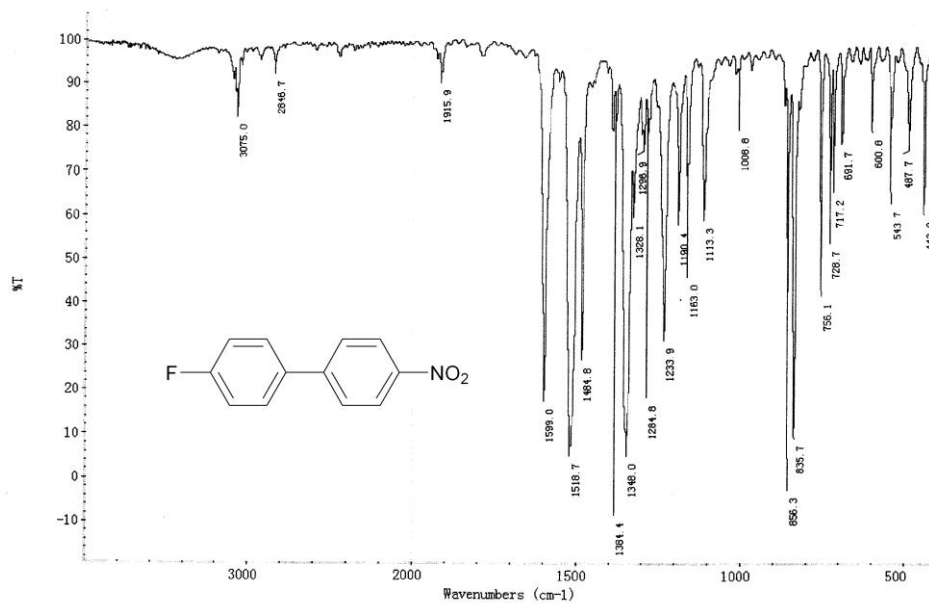


Figure 6: IR of 4-fluoro-4'-nitrobiphenyl (**3n**).