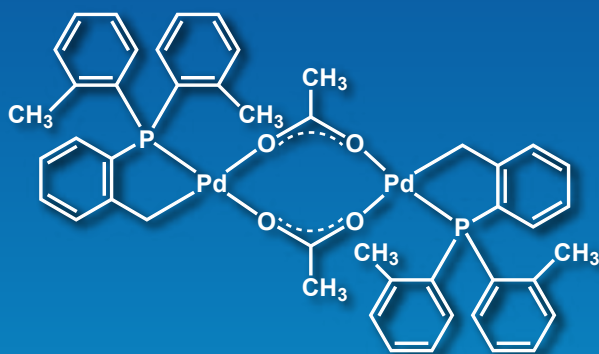


# Highly Efficient Palladacycle Catalyst for Cross-Coupling Reaction



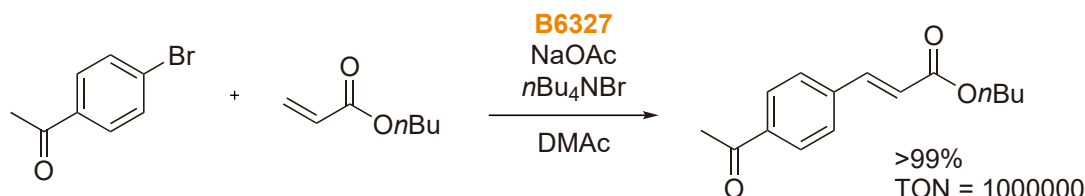
**Herrmann Catalyst**  
200mg / 1g / 5g  
[B6327]

## Advantages

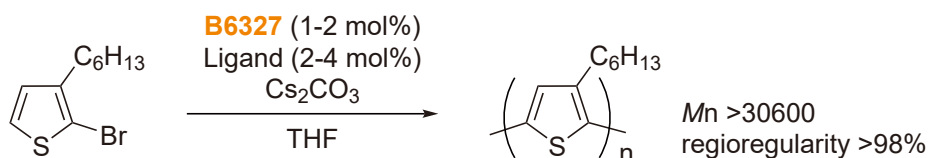
- Highly-active palladium precatalyst
- Suitable for Heck reaction and various cross-coupling reactions
- High catalytic turnover number (up to 1,000,000) in Heck reaction
- Applicable to the synthesis of  $\pi$ -conjugated polymers

## Applications

### Heck reaction <sup>1)</sup>



### Synthesis of $\pi$ -conjugated polymer <sup>2)</sup>



**References** 1) W. A. Herrmann, M. Beller, *et al.*, *Chem. Eur. J.* **1997**, 3, 1357. <https://doi.org/10.1002/chem.19970030823>  
2) Q. Wang, R. Takita, Y. Kikuzaki, F. Ozawa, *et al.*, *J. Am. Chem. Soc.* **2010**, 132, 11420. <https://doi.org/10.1021/ja105767z>

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