

# Metathesis Reaction Reagents

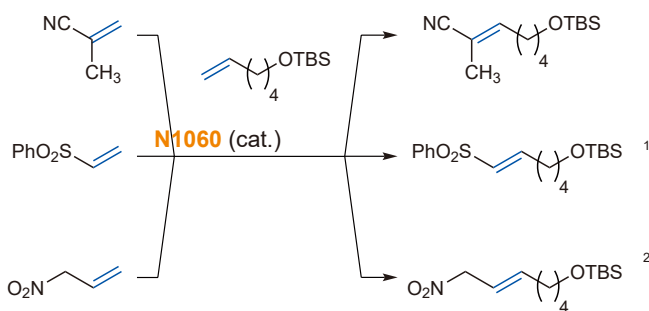
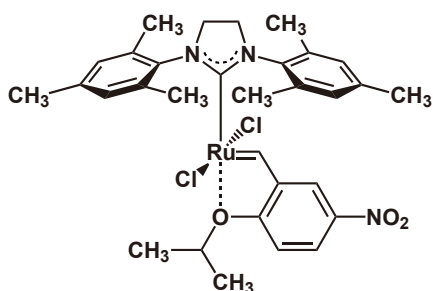
## Highly Active Metathesis Catalyst

nitro-Grela

100mg / 500mg [N1060]

Sold in collaboration with Apeiron Synthesis. PCT/EP2003/011222

Applicable to olefins bearing various functional groups



References 1) K. Grela et al., *Angew. Chem. Int. Ed.* **2002**, 41, 4038.  
[https://doi.org/10.1002/1521-3773\(20021104\)41:21%3C4038::AID-ANIE4038%3E3.0.CO;2-0](https://doi.org/10.1002/1521-3773(20021104)41:21%3C4038::AID-ANIE4038%3E3.0.CO;2-0)  
 2) K. Grela et al., *Chem. Eur. J.* **2008**, 14, 806.  
<https://doi.org/10.1002/chem.200701340>

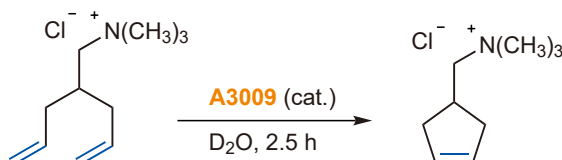
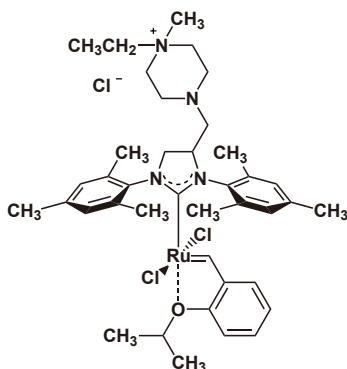
## Metathesis Catalyst usable in Water Media

AquaMet

100mg / 500mg [A3009]

Sold in collaboration with Apeiron Synthesis. PCT/EP2013/053967

Applicable to reactions in water media due to an internal quaternary ammonium group



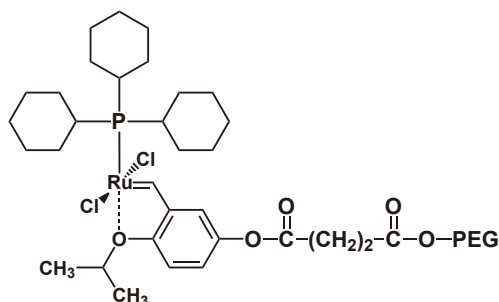
Reference K. Grela et al., *Catal. Sci. Technol.* **2012**, 2424.  
<https://doi.org/10.1039/C2CY20320K>

## PEG-bound Metathesis Catalyst

Polyethylene Glycol-bound Ruthenium Carbene Complex

100mg [P1427]

Recoverable after addition of a poor solvent due to a linked polyethylene glycol (PEG) moiety

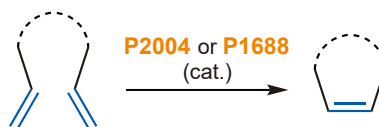
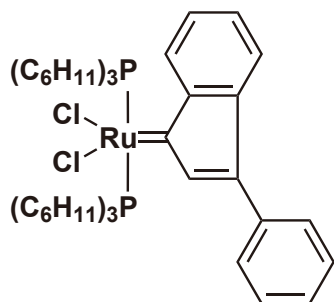


Reference Q. Yao, *Angew. Chem. Int. Ed.* **2000**, 39, 3896.  
[https://doi.org/10.1002/1521-3773\(20001103\)39:21%3C3896::AID-ANIE3896%3E3.0.CO;2-8](https://doi.org/10.1002/1521-3773(20001103)39:21%3C3896::AID-ANIE3896%3E3.0.CO;2-8)

## Indenylideneruthenium Catalysts

(3-Phenyl-1*H*-inden-1-ylidene)bis(tricyclohexylphosphine)ruthenium(II) Dichloride 1g [P2004]

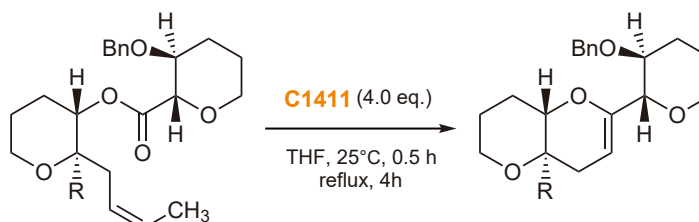
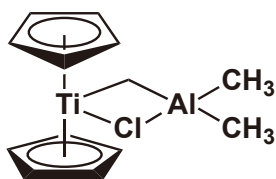
(3-Phenyl-1*H*-inden-1-ylidene)bis(tricyclohexylphosphine)ruthenium(II) Dichloride Tetrahydrofuran Adduct 100mg [P1688]



References A. Furstner *et al.*, *J. Org. Chem.* **1999**, *64*, 8275. <https://doi.org/10.1021/jo991021i>  
A. Furstner, O. R. Thiel, *J. Org. Chem.* **2000**, *65*, 1738. <https://doi.org/10.1021/jo991611g>  
A. Furstner *et al.*, *Chem. Eur. J.* **2001**, *7*, 4811. [https://doi.org/10.1002/1521-3765\(20011119\)7:22%3C4811::AID-CHEM4811%3E3.0.CO;2-P](https://doi.org/10.1002/1521-3765(20011119)7:22%3C4811::AID-CHEM4811%3E3.0.CO;2-P)

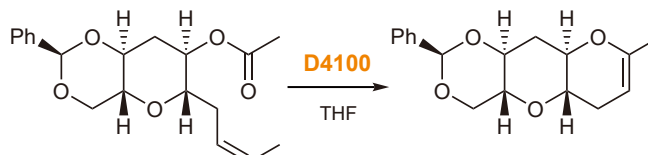
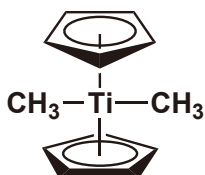
## Olefin-Metathesis Reagents

Tebbe Reagent (ca. 0.5mol/L in Toluene) 25mL [C1411]



Reference K. C. Nicolaou *et al.*, *J. Am. Chem. Soc.* **1996**, *118*, 10335. <https://doi.org/10.1021/ja962862z>

Petasis Reagent (5% in Tetrahydrofuran/Toluene) 25g / 100g [D4100]



Reference K. C. Nicolaou *et al.*, *J. Am. Chem. Soc.* **1996**, *118*, 1565. <https://doi.org/10.1021/ja962862z>

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).

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