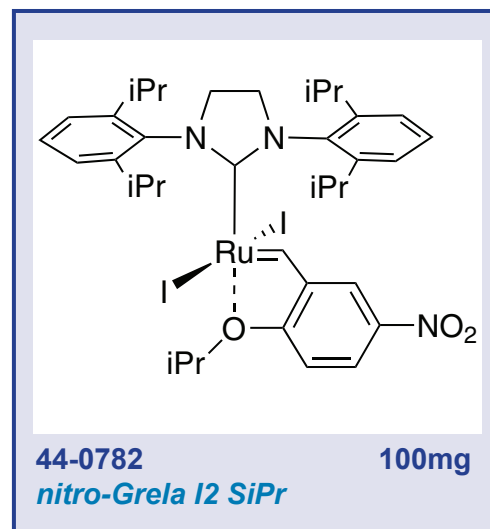
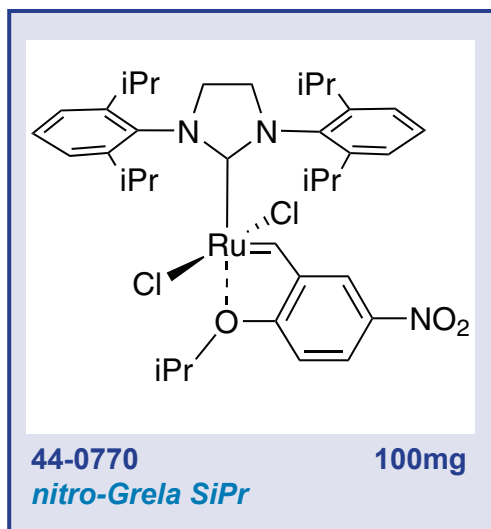
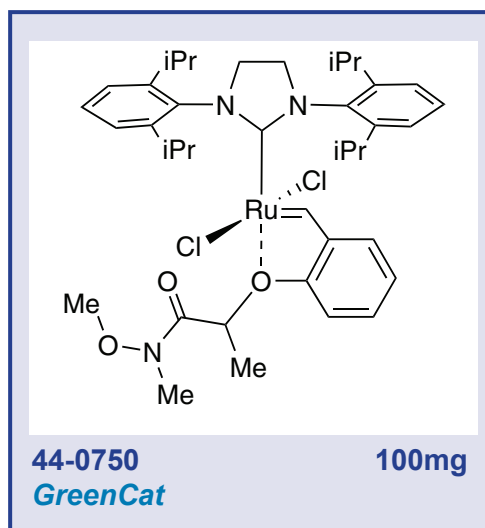
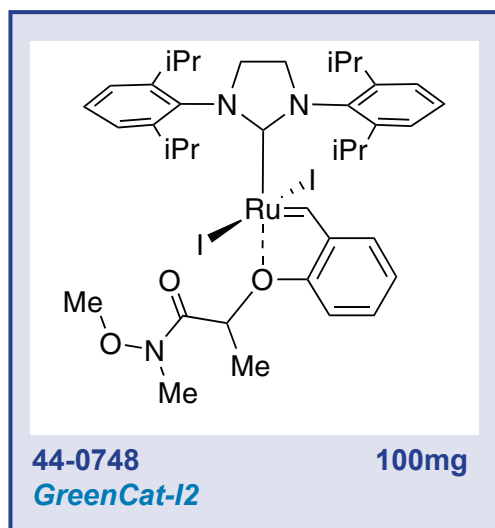


Sold in collaboration with Apeiron Synthesis, Inc.

96-0420 Apeiron Bulky Catalysts Kit

Catalysts within the Bulky Catalysts Kit were designed to be less sensitive to minor impurities that are commonly present in metathesis substrates/solvents. The bulkiness of the ligands in this kit helps to reduce the risk of unwanted double-bond migration. These complexes are especially recommended for RCM and CM of sterically non-demanding substrates.

Components also available for individual sale. Contains the following:



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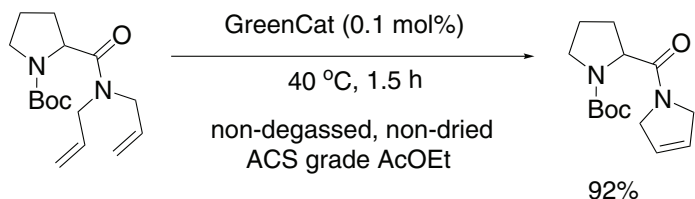
44-0750 [1,3-Bis(2,6-di-*i*-propylphenyl)imidazolidin-2-ylidene]{2-[[1-(methoxy(methyl)amino)-1-oxopropan-2-yl]oxy]benzylidene}ruthenium(II) dichloride **GreenCat** (1448663-06-6) 100mg
500mg

$C_{39}H_{53}Cl_2N_3O_3Ru$; FW: 783.33; green powdr.

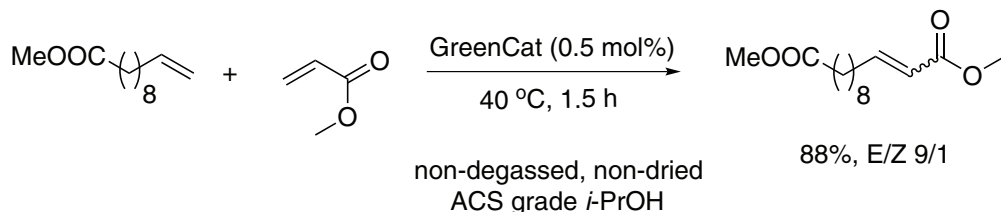
Note: U.S. Patent 61/666,009, PCT/EP2013/062435. Aperion Ruthenium Metathesis Catalyst Kit component.

Technical Note:

- Efficient, durable and reuseable olefin metathesis catalyst with a high affinity to silica gel.



Tech. Note (1)
Ref. (1)



Tech. Note (1)
Ref. (1)

References:

- Tetrahedron*, **2013**, 69, 7408

44-0748 [1,3-Bis(2,6-di-*i*-propylphenyl)imidazolidin-2-ylidene][2-((1-methoxy(methyl)amino)-1-oxopropan-2-yl)oxy]benzylidenediiodoruthenium(II) **GreenCat-I2** 100mg
500mg

$C_{39}H_{53}I_2N_3O_3Ru$; FW: 966.74; green solid

air sensitive, (store cold)

Note: Recommended storage 2-8°C. U.S. Patent 61/666,009 PCT/EP2013/062435.

Technical Note:

- Catalyst for metathesis applications.

References:

- Angew. Chem.* **2017**, 129, 1001–1006.

44-0770 1,3-Bis(2,6-di-*i*-propylphenyl)imidazolidin-2-ylidene(2-*i*-propoxy-5-nitrobenzylidene) ruthenium(II) dichloride **Nitro-Grela SiPr** (928795-51-1) 100mg
500mg

$C_{37}H_{49}Cl_2N_3O_3Ru$; FW: 755.78; green powdr.

air sensitive, (store cold)

Note: Recommended storage 2-8°C. U.S. Patent 6/867,303 PCT/EP2003/01122.

Technical Note:

- Catalyst for metathesis applications.

References:

- ACS Catalysis*, **2017**, 7(8), 5443-5449.
- Catalysis Science & Technology* **2017**, 7(6), 1284-1296.
- Angew. Chem.* **2017**, 129, 1001–1006.

44-0782 [1,3-Bis(2,6-di-*i*-propylphenyl)imidazolidin-2-ylidene)(2-*i*-propoxy-5-nitrobenzylidene) ruthenium(II) diiodide **nitro-Grela I2 SiPr** (1874265-00-5) 100mg
500mg

$C_{37}H_{49}I_2N_3O_3Ru$; FW: 938.68; olive brown powdr.

air sensitive, (store cold)

Note: Recommended storage 2-8°C. U.S. Patent 6/867,303 PCT/EP2003/01122.

Technical Note:

- Catalyst for metathesis applications.

References:

- Beilstein Journal of Organic Chemistry* **2015**, 11, 1823-1832.

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