Strem Chemicals, Inc.

strem.com

Catalog # 42-0540

(R)-1-((3,3'-Dibromo-2'-((tert-butyldimethylsilyl)oxy)-5,5',6,6',7,7',8,8'-octahydro-[1,1'-binaphthalen]-2-yl)oxy)-1-(2,5-dimethyl-1H-pyrrol-1-yl)-N-(2,6-dimethylphenyl)-1-(2-methyl-2-phenylpropylidene)molybdenum (VI)

Developed by XiMo. Sold under license from XiMo for research purposes only. Patents: U.S. 9,687,834, EP2242578.

Technical Notes:

- 1. Catalyst used for:
 - a. Enantio-selective ring opening²/cross metathesis.
 - b. Ring closing metathesis.
 - c. Enantio- and endo-selective ene-yne ring closing metathesis.

OTBS

1 mol% 42-0540

$$C_6H_6$$
, 22C, 0.5h

 OR
 $R = \text{n-Bu or p-MeOC}_5H_4$

>98% Z

References:

- 1. Nature, 2011, 471, 461-466.
- 2. J. Am. Chem. Soc., 2012, 134, 2788-2799.