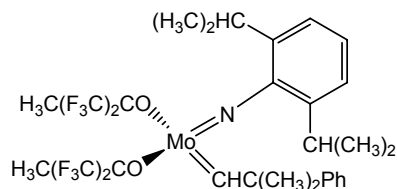


Catalog #42-1205 2,6-Diisopropylphenylimido neophylidenemolybdenum(VI) bis(hexafluoro-t-butoxide) SCHROCK'S CATALYST

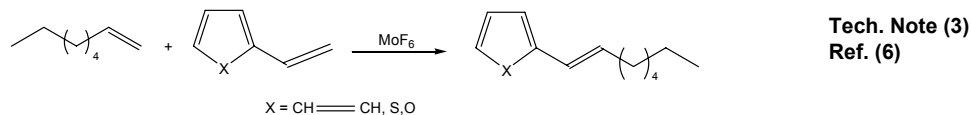
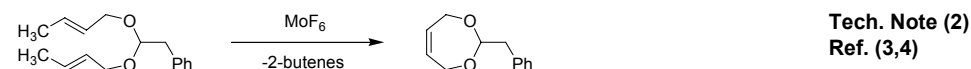
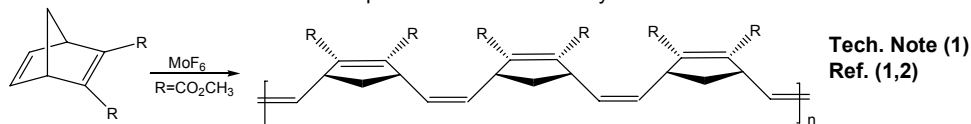


Note:

This material is covered under US Patents 4,681,956 and 4,727,215 and their foreign equivalents owned by Massachusetts Inst. of Technology.

Technical Notes:

1. Unlike $\text{Mo}(\text{C}_{10}\text{H}_{12})(\text{C}_{12}\text{H}_{17}\text{N})(\text{OC}_4\text{H}_9)_2$, the bis(hexafluoro-t-butoxide) (MoF_6) derivative will metathesize many ordinary olefins, especially terminal olefins, and will ROMP many norbornene or substituted norbornadiene monomers to give all cis, and often isotactic, polymers.
2. Useful for the "ring-closing" of dienes or the coupling of terminal olefins.
3. Useful for cross-metathesis of aliphatic alkenes with 2-vinyl aromatics.



References:

1. *J. Am. Chem. Soc.*, **1994**, *116*, 3414.
2. *J. Am. Chem. Soc.*, **1993**, *115*, 4413.
3. *J. Am. Chem. Soc.*, **1992**, *114*, 5426.
4. *J. Am. Chem. Soc.*, **1992**, *114*, 7324.
5. *Tetrahedron*, **1998**, *54*, 4413. (review article)
6. *J. Mol. Catal. Chem.*, **2002**, *190*, 45.