Strem Chemicals, Inc.

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Catalog # 25-0390 Cyclopentadienylmanganese tricarbonyl, 98% Cymantrene



Technical Notes:

- 1. Used in the Mn-NHC catalyzed hydrosilylation of aldehydes and ketones
- 2. Photocatalyst used for C–H arylation reactions by means of continuous visible-light photoflow at room temperature

$$\begin{array}{c}
O \\
R^{1} \\
R^{2}
\end{array}$$

$$\begin{array}{c}
1)[CpMnCO_{2}]-NHC; \\
Ph_{2}SiH_{2} UV light, rt \\
2) NaOH, MeOH
\end{array}$$

$$\begin{array}{c}
OH \\
R^{1} \\
R^{2}
\end{array}$$

$$\begin{array}{c}
Tech Note (1) \\
Ref. (1)
\end{array}$$

$$\begin{array}{c}
R^{1} - N_{2}BF_{4} + H - Ar^{2} \\
RT, 30 min
\end{array}$$

$$\begin{array}{c}
Continuous flow; Blue LED \\
RT, 30 min
\end{array}$$

$$\begin{array}{c}
Ar^{1} - Ar^{2} \\
Ref. (2)
\end{array}$$

$$\begin{array}{c}
Tech Note (2) \\
Ref. (2)
\end{array}$$

References:

- 1. Adv. Synth. Catal. 2014, 356, 1093.
- 2. Angew. Chem. Int. Ed. 2018, 57, 10625.