## Strem Chemicals, Inc.

www.strem.com

Catalog # 15-0073 2-(Di-t-butylphosphinomethyl)-6-(diethylaminomethyl)pyridine, 98%

## Technical Notes:

- 1. Ligand/Ruthenium catalyst for the direct synthesis of amides from alcohols and primary amines.
- Ligand/ catalyst for the hydrogenation of esters in high yields under mild pressure and neutral conditions.
- 3. Ligand/Ruthenium catalyst for the dehydrogenative coupling of alcohols to form esters in high yields under neutral conditions.
- 4. Ligand/Catalytic hydrogenation of dimethyl carbonate, methyl carbamates, and methyl formate, a route to methanol based on CO and CO<sub>2</sub>.

## References:

- 1. Science, 2007, 317, 790.
- 2. Angew. Chem. Int. Ed., 2006, 45, 1113.
- 3. J. Am. Chem. Soc., 2005, 127, 12429.
- 4. J. Am. Chem. Soc., 2005, 127, 10840.
- 5. Nature, Chem., 2011, 3, 609.
- 6. Chem. Soc., 2005, 127, 10840.