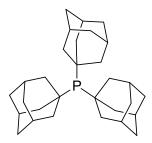
## Strem Chemicals, Inc.

www.strem.com

Catalog # 15-0935 Tris(1-adamantyl)phosphine, 97%



## **Technical Notes:**

 A stable phosphine ligand which can bind to metals such as palladium to be used in Suzuki-Miyaura couplings in making drug intermediates. Dramatic effects in catalysis are also accessible now by using PAd<sub>3</sub> as a ligand during Suzuki-Miyaura cross-coupling of chloro(hetero)arenes.<sup>1,2</sup>

$$Ad_{3}P \qquad \oplus \qquad \bigcirc$$

$$OTs$$

$$Tech. Note (1)$$

$$Ref. (1,2)$$

$$Ar-Y + (HO)_{2}B-R \qquad (x mol\%)$$

$$K_{3}PO_{4} \text{ or } K_{2}CO_{3}$$

$$THF, tol, \text{ or BuOH}$$

## References:

- 1. Synlett., **2017**, 28(3), 280-288.
- 2. J. Am. Chem. Soc., 2016, 138, 6392.