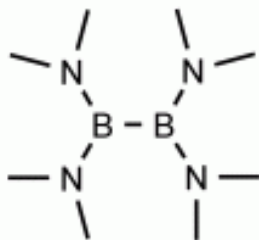


Product Name: Tetrakis(dimethylamino)diboron

Catalog Number: T6949



Size: 100g, 500g, kilogram, and bulk quantities available.

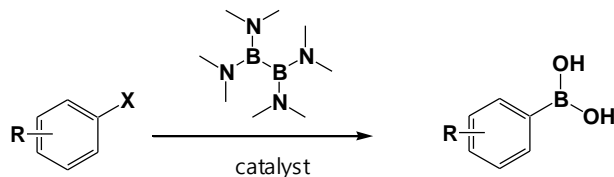
Molecular Formula: C₈H₂₄B₂N₄ **MW:** 197.93 **MDL:** MFCD00048012 **CAS:** 1630-79-1

Storage: Air stable and water sensitive, stable at room temperature, store under nitrogen.

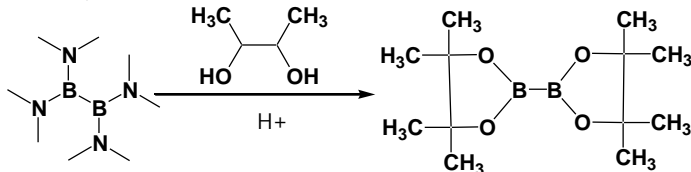
Purity: 90-95%

Field of Interest: **A Green Reagent for the Borylation of Aryl and Hetero-Aryl Halides and for Production of Pinacoldiboronate**

While borylation procedures may use pinacoldiboron or similar type reagents, methods using Tetrakis(dimethylamino)diboron (I) represents a more atom-economical and efficient approach and thus “Greener” method of synthesizing aryl (II) and heteroaryl (III) boronates in high yield.



This reagent is also useful for the synthesis of Pinacoldiborane, via acid-catalyzed treatment of (I) with 2,3-dimethylbutane-2,3-diol.²



¹ Molander, G. A., Trice, S. L.J., Kennedy, S. M. *Organic Letters*, 2012, 14, 4814-4817.

² Nakamura, H., Fujiwara, M., Yamamoto, Y., *J. Organic Chemistry*, 1998, 7529-7530.