**Stereospecific Suzuki Coupling with Inversion of Stereoconfiguration**

**Significance:** This article reports on the Suzuki–Miyaura coupling of enantioenriched α-(acylamino)benzylboronic acid that surprisingly proceeds with inversion of stereoconfiguration.

**Comment:** Strong intramolecular coordination of the carbonyl group to boron is considered responsible for the preferred backside attack of the palladium complex on the benzylic carbon atom.