Highly Enantioselective Addition of Allyltrimethylsilane to Aldehydes

**Significance:** List and co-workers report the first general, highly enantioselective, organocatalytic addition of allyltrimethylsilane to aldehydes (the Hosomi–Sakurai reaction). This transformation is enabled by newly developed highly confined imidodiphosphorimidates \( \text{IDPi} \). Various aromatic and aliphatic aldehydes are tolerated under the reaction conditions, affording the desired products in good to excellent yields and enantioselectivities (er ≤ 98:2).

**Comment:** The \( \text{IDPi} \) motif, which can be accessed by a single-flask synthesis from 3,3'-disubstituted BINOL derivatives, is a combination of the recently developed highly confined imidodiphosphates (Nature 2012, 483, 315) and highly acidic BINOL-derived phosphoramidimidates (Synlett 2016, 27, 156).

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