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Palladium(II)-Catalyzed Enantioselective Aminotrifluoromethoxylation of Unactivated Alkenes using CsOCF₃ as a Trifluoromethoxide Source

**Palladium-Catalyzed Enantioselective Aminotrifluoromethoxylation of Alkenes**

![Chemical structure and reaction scheme]

| PG = Ts, DMPs, TMPs, PMPs, ρ-Ns, o-Ns, Bz |
| R¹, R² = Alk, Ar, ether, amine, alkene |

**Selected examples:**

- 76% yield, 89% ee
- 79% yield, 92% ee
- 65% yield, 92% ee
- 80% yield, 92% ee
- 58% yield, 93% ee
- 51% yield, 94% ee
- 71% yield, 87% ee

**Synthetic application:**

- 57% yield, 96% ee

**Significance:** The authors reported an asymmetric palladium(II)-catalyzed aminotrifluoromethoxylation of unactivated alkenes leading to a variety of enantioenriched piperidines in good yields.

**Comment:** Remarkably, the method was used to prepare a derivative of pridinol, an antiparkinsonian and anticholinergic drug, in three steps and 62% overall yield. The mild reaction conditions and the use of CsOCF₃ salt make the method practical.