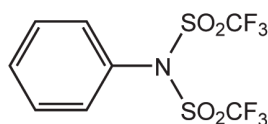
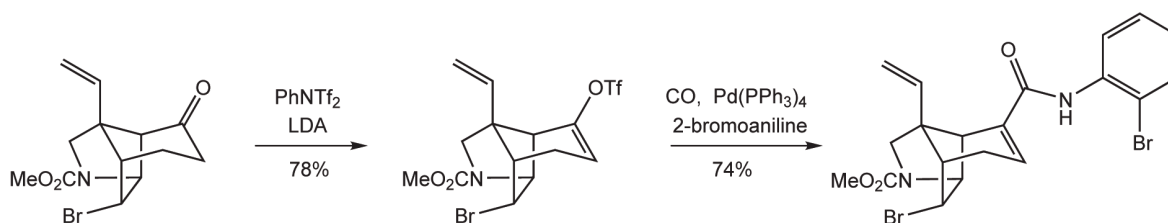


N-Phenylbis(trifluoromethanesulfonimide)

Mild triflating agent for amines, phenols and enols

This valuable reagent was introduced by Hendrickson for the selective formation of trifluoromethanesulfonates (triflates) from phenols and amines.¹ It is often superior to trifluoromethanesulfonic anhydride for generating enol triflates from carbonyl compounds.² Aryl and enol triflates are activated intermediates which can undergo Stille, Suzuki and other coupling reactions,³ and are frequently utilized in routes to sensitive, multifunctional molecules. A recent example is found in the total synthesis of (±)-Gelsemine.⁴

L12531 N-Phenylbis trifluoromethanesulfonimide, 99%



¹J.B. Hendrickson, R. Bergeron, *Tetrahedron Lett.*, 1973, 4607.

²J.E. McMurry, W.J. Scott, *Tetrahedron Lett.*, 1983, **24**, 979.

³W.J. Scott, J.E. McMurry, *Acc. Chem. Res.*, 1988, **21**, 47.

⁴A. Madin, C.J. O'Donnell, T. Oh, D.W. Old, L.E. Overman, M.J. Sharp, *J. Am. Chem. Soc.*, 2005, **127**, 18054.