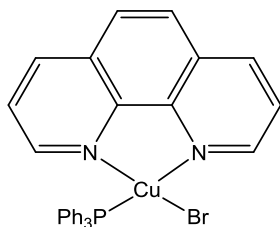
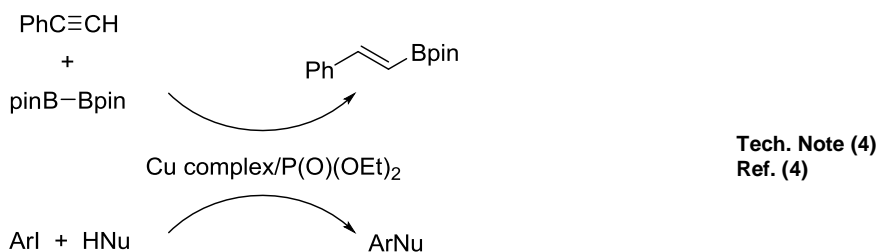
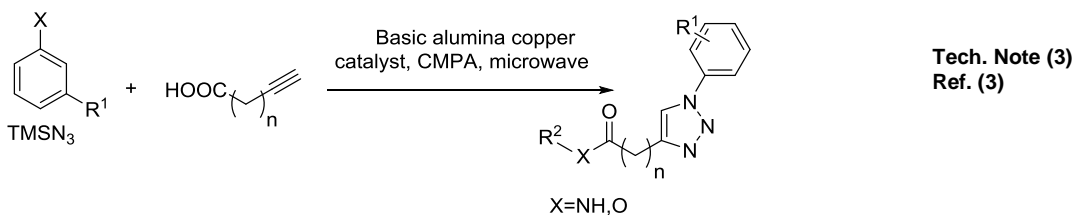
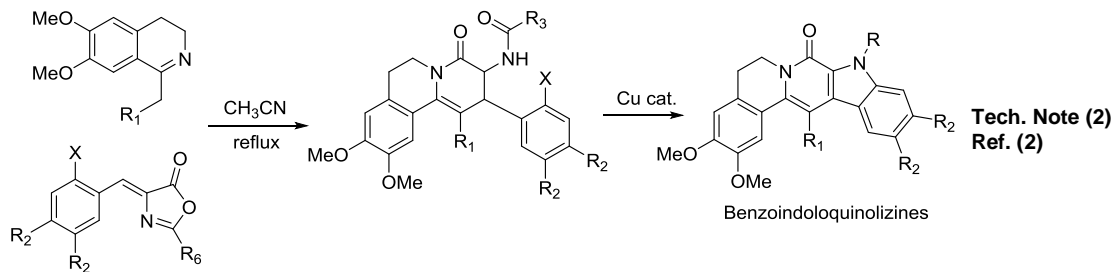
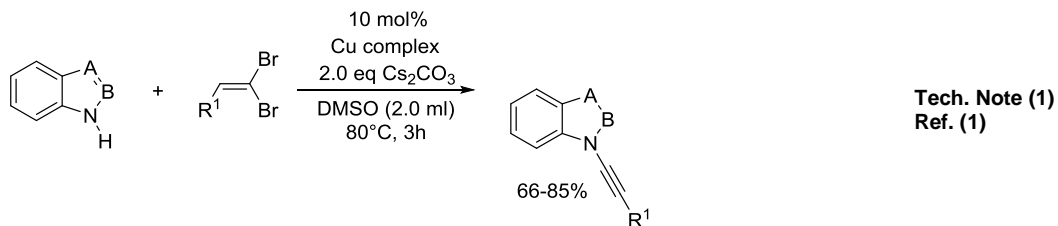


Catalog # 29-4000 Bromo(1,10-phenanthroline)(triphenylphosphine)copper (I), min. 97%



Technical Notes:

1. Copper-catalyzed coupling of imidazoles and pyrazoles with 1,1-dibromo-1-alkenes: a distinct approach for direct N-alkynylation of heteroarenes.
2. Synthesis of benzoindoloquinolizines via a Cu(I)-mediated C-N bond formation.
3. Efficient synthesis of 1,4-disubstituted triazolyl N-carboxamides via a simple and convenient MCR using basic alumina as a solid support.
4. Cu(I) complexes with diethoxyphosphoryl-1,10-phenanthrolines in catalysis of C-C and C-heteroatom bond formation.



HNu = PhC≡CH, HNPh₂, HP(O)(O-n-Bu)₂, NCCH₂P(O)(OEt)₂

References:

1. *Tetrahedron Lett.*, **2011**, 52, 6497.
2. *Tetrahedron*, **2012**, 68, 2864.
3. *Tetrahedron Lett.*, **2013**, 54, 5642.
4. *Inorg. Chim. Acta.*, **2015**, 431, 297.