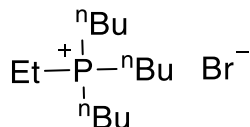
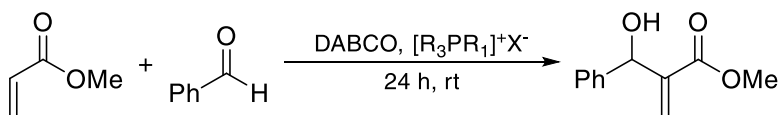


Catalog # 15-7580 Tributyl(ethyl)phosphonium bromide, min. 95% (45-55% in water), CYPHOS® IL 676W

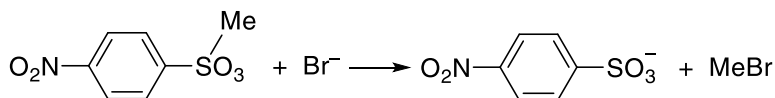


Technical Notes:

1. CYPHOS® IL 676W has been used in phase transfer catalysis [1].
2. CYPHOS® IL 676W is an effective in aluminum electroplating [2].
3. CYPHOS® IL 676W has also been exploited in organic transformations as a cocatalyst [3].
4. CYPHOS® IL 676W has been observed to increase the S_N2 reactions rate of sulfonate esters with bromide ion [5].
5. CYPHOS® IL 676W has been demonstrated effective at capturing SO₂ from flue gas [5].



Tech Note (3)
Ref. (3)



Tech Note (4)
Ref. (4)

References:

1. JP Patent 02304061, Dec. 17, **1990**.
2. JP Patent 04021794, Jan. 24, **1992**.
3. *Tetrahedron Lett.* **2004**, 45, 7359.
4. *J. Phys. Org. Chem.* **2006**, 19, 281.
5. *AIChE*, **2015**, 6, 2028.