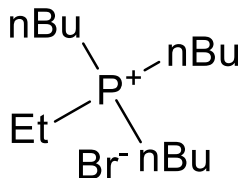
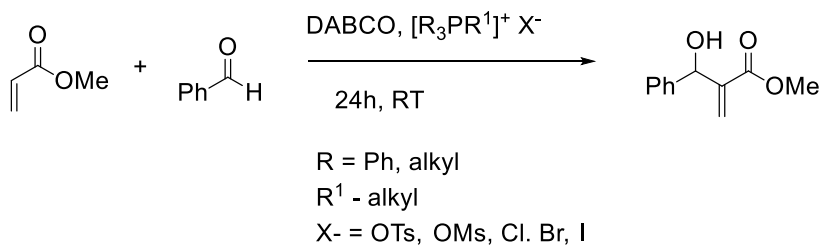


Catalog # 15-7580 Tributyl(ethyl)phosphonium bromide, min. 95% (45-55% in water), CYPHOS® IL 676W



Technical Notes:

1. CYPHOS® IL 676W has been demonstrated effective at capturing SO<sub>2</sub> from flue gas.<sup>1</sup>
2. It is also effective in aluminum electroplating.<sup>2</sup>
3. It has also been exploited in organic transformations as a cocatalyst.<sup>3</sup>
4. Similarly it has been used in phase transfer catalysis.<sup>4</sup>
5. Furthermore it has been observed to increase the rate of reaction of sulfonate esters.<sup>5</sup>



**Tech Note (3)**  
**Ref. (3)**

References:

1. *AIChE*, **2015**, 6, 2028-2035
2. JP Patent 04021794, Jan. 24, 1992
3. *Tetrahedron Letters*, **2004**, 45, 7359-7361
4. JP Patent 02304061, Dec. 17, 1990
5. *Journal of Physical Organic Chemistry*, **2006**, 19, 281-290