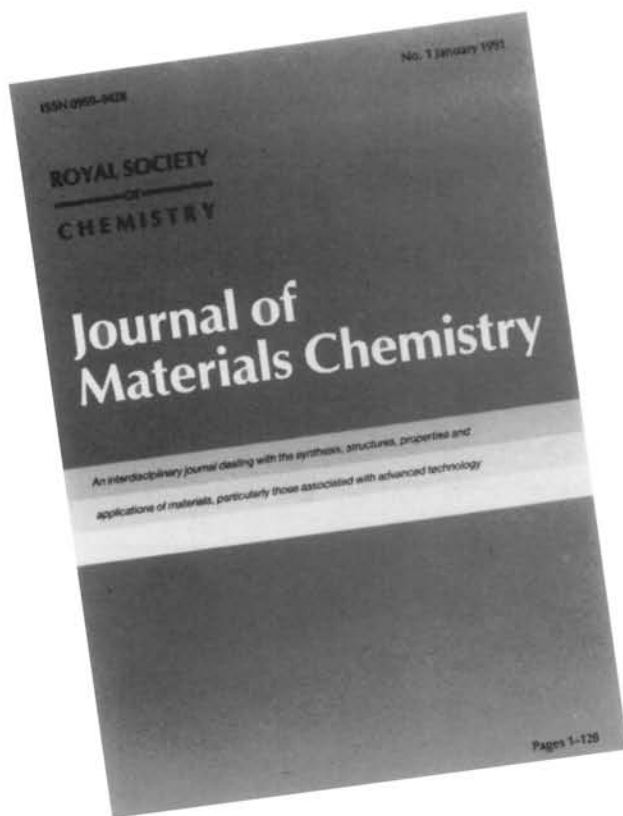


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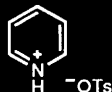
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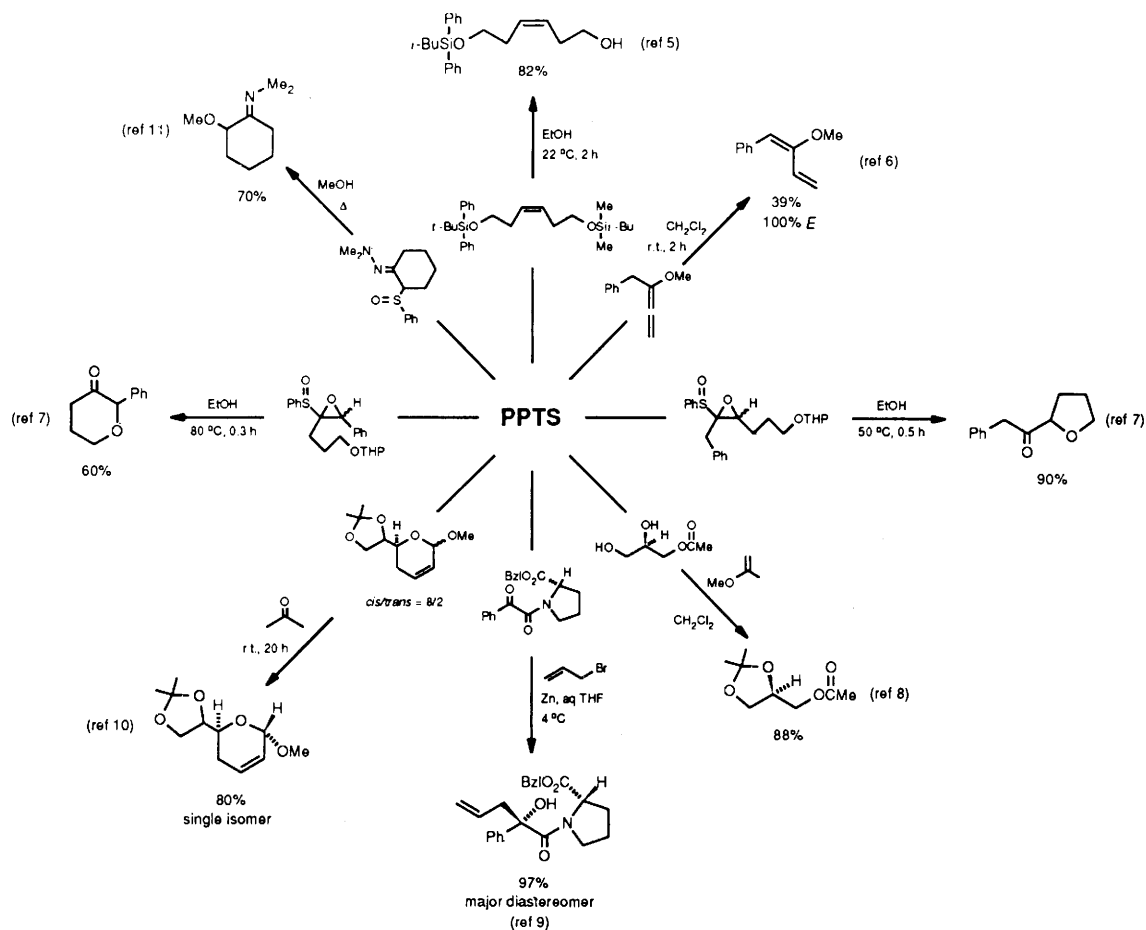
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# PPTS



**Pyridinium *p*-toluenesulfonate (PPTS)** is a sharp-melting, white, crystalline material that is soluble in alcohols (e.g., MeOH, EtOH) and dichloromethane. It is a mild, efficient acid catalyst for the protection of alcohols such as THP-<sup>1</sup> and MPM-ethers,<sup>2</sup> and diols such as 1,3-dioxolanes.<sup>3</sup> PPTS is one of the best reagents available for the cleavage of MEM- and MOM-ethers of allylic alcohols.<sup>4</sup> As the diagram illustrates, it is also an effective catalyst for selective removal of the TBDMS group,<sup>5</sup> isomerization of allenes,<sup>6</sup> epoxide rearrangements<sup>7</sup> and an asymmetric Barbier reaction.<sup>9</sup>



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### References:

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