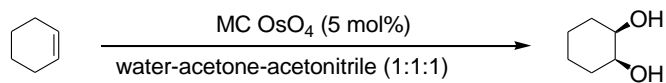


Catalog # 76-2956 Osmium (VIII) oxide, Microencapsulated in a Styrene Polymer (~10% OsO₄)

Technical Note:

1. Microencapsulated Osmium (VIII) oxide, in combination with a suitable co-oxidant, is a useful catalyst for the asymmetric dihydroxylation of olefins to yield chiral diols. The encapsulated OsO₄ is easily separated from the reaction mixture and is reusable. Furthermore, encapsulation suppresses the volatilization of hazardous osmium tetroxide.



N-methylmorpholine N-oxide, rt, 12 hours

Reference:

1. *J. Org. Chem.*, **1998**, 63, 6094.