

[Chem. Lett., 1989, 659 (1989)]

**p-Anisyloxymethyl Group, a Novel Oxidatively Removable Acetal
Type OH-Protecting Group.**

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Protection of various types of alcohols with p-anisyloxymethyl (p-AOM) chloride gave the corresponding p-AOM ethers which were deprotected with ceric ammonium nitrate efficiently. Chemo-selective removal either of p-AOM group or of tetrahydropyranyl group is also reported.

[Tetrahedron Lett., 30, 6395 (1989)]

**Enantiospecific Synthesis of Optically Active Natural (+)-Conhydrine
from (S, S)-Tartaric Acid.**

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The first enantiospecific synthesis of (+)-conhydrine, one of the poisonous alkaloids of the hemlock was achieved via partial ring opening of 6,8-dioxabicyclo[3.2.1]octane skeleton prepared from (S,S)-tartaric acid.

[Tetrahedron Lett., 30, 6701 (1989)]

**Synthesis of Iodo(III) Enol Lactones via Iodine(III)-Induced
Lactonization of Alkynoic Acids. Structurally Potential Serine
Protease Inactivators.**

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Iodine(III)-induced lactonization of 4- and 5-alkynoic acids utilizing a combination of iodobenzene and $\text{BF}_3\text{-Et}_2\text{O}$ affords cyclic β -acyloxyvinylidonium tetrafluoroborates, structurally potential serine protease inactivators. The lactonization proceeds stereoselectively in an exo manner to give five- and six-membered exocyclic enol lactones. The reaction involves an initial activation of iodobenzene by the depolymerization which leads to the formation of acyloxy(hydroxy)iodobenzene. The formation of acyloxy(hydroxy)iodobenzene makes the subsequent attack of trivalent iodine toward a carbon-carbon triple bond a facile intramolecular process.