Synthesis and Cycloaddition of 6-Substituted 3,4,5,6-Tetrahydropyridine 1-oxides

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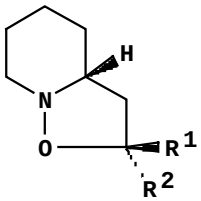
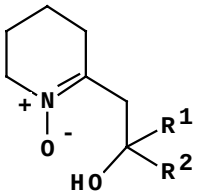
ABSTRACT

A study of the regiochem. behavior of the peracid induced ring opening of several hexahydro-2H-isoxazolo[2,3-a]pyridines I (R1 = CH2OH, CH2OAc, ph, R2 = H; R1 = H, R2 = CH2OH, CH2OAc; R1 = Me, R2 = CH2OH, CH2OSiMe2CMe3), leading mainly to ketonitrones II, has been carried out. Mercury(II) oxide oxidn. of unsym. N-hydroxypiperidines III, having a tertiary alc. group at the b position of the C(2) side chain, gave aldonitrones IV in a highly regioselective manner



I



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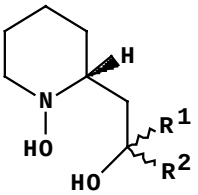

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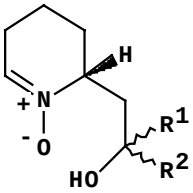

IV