

alkaloids
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A Short and New Synthesis of Optically Pure (+)-Retronecine.

— The 4-hydroxyproline derived pyrrolidine (I) is converted into the bis-trimethylsilyl derivative (IV). On treatment with silver fluoride, an azomethine ylide is generated which undergoes a cycloaddition reaction with methyl propiolate to yield the pyrrolizidines (VI) and (VII). The latter is reduced, producing the alkaloid mentioned in the title. — (PANDEY, G.; LAKSHMAIAH, G.; Synlett (1994) 4, 277-278; Div. Org. Chem. (Synth.), Natl. Chem. Lab., Pune-411008, India; EN)

