

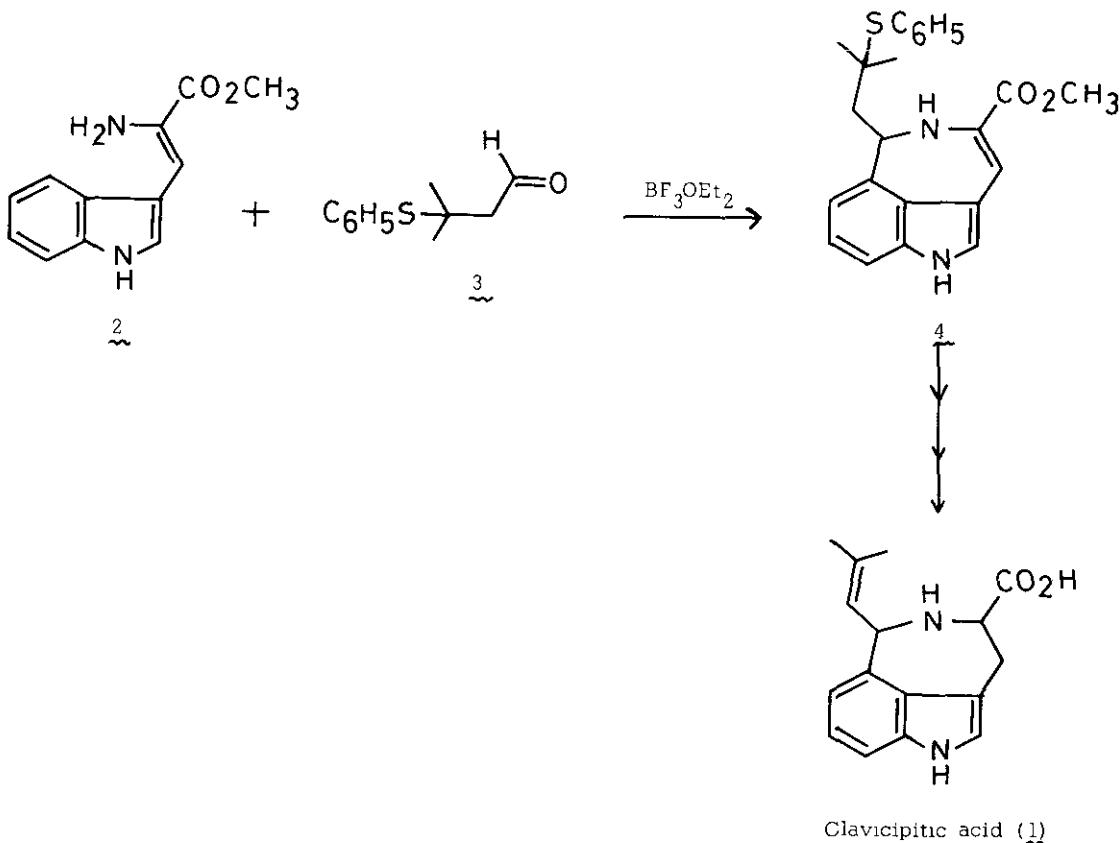
TOTAL SYNTHESIS OF (\pm)-CLAVICIPITIC ACID

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Clavicipitic acid 1 was isolated from submerged cultures of *Claviceps fusiformis* [1. J. E. Robbers and H. G. Floss, Tetrahedron Letters, 1857 (1969); 2. G. S. King, P. G. Mantle, C. A. Szczyrbak and E. S. Waight, Tetrahedron Letters, 215 (1973)].

We have reported regiospecific inter- and intra-molecular cyclization of protected dehydro-tryptophans onto the 4-position of indole nucleus. Now we report a total synthesis of (\pm)-clavicipitic acid 1 [1. S. Nakatsuka, H. Miyazaki, and T. Goto, Chemistry Letters, 407 (1981). 2. S. Nakatsuka, K. Yamada, and T. Goto, 4th IUPAC Meeting on Organic Synthesis(Tokyo), Aug.1982].

Clavicipitic acid (1)