

Synthesis of Lagochiline and Lagochirsine Esters

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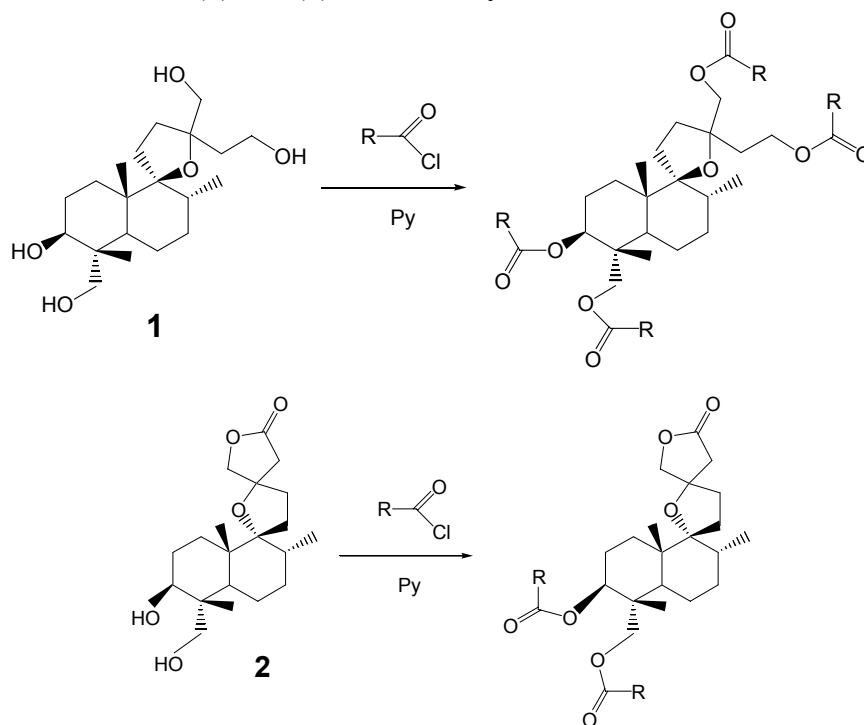
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The diterpenoids lagochiline (**1**) and lagochirsine (**2**) with a grindelane-like skeleton (extracted from various plants of the genus *Lagochilus*) exhibit a wide spectrum of biological activity [1]. The acylation of hydroxy groups in physiologically active compounds may strengthen their action [2, 3]. In this context, we have synthesized the esters of (**1**) and (**2**) in 40–97% yield.



R = *trans*-Crotonyl, Ph, 2-FPh, 2-ClPh, 4-ClPh, 2,4-diClPh, Fur, 5-BrFur

The structure of synthesized esters was confirmed by ¹H NMR and mass spectra.

- [1] Mavlyankulova Z.I., Zainutdinov U.N., Mukhamedkhanov S.I., Leont'ev V.D., Aslanov Kh.A., *Khim. Prirodn. Soedin.* 1980, no. 1, p. 46.
[2] Taiwar K.K., Kumar L., Kolsi P.S., *Experientia* 1983 **39** 117.
[3] Zaman S.S., Sharma R.P., *Heterocycles* 1991 **32** 1593.