

Sesquiterpenes from *Betula Pendula* Roth. Buds

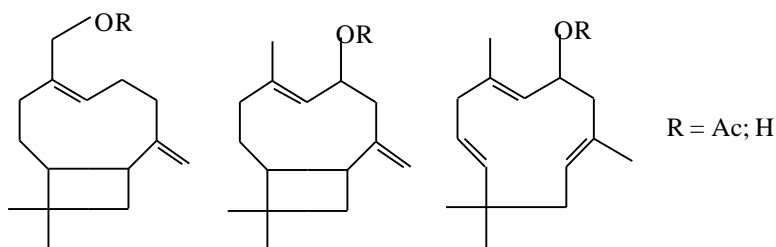
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New and old sesquiterpenes has been isolated from *Betula Pendula* Roth. buds essential oil and identified through its spectroscopic properties as 4,11,11-trimethyl-8-methylenbicyclo[7,2]undec-4-en-14-ol (2,6%), its acyl derivative (31,5%), 4,11,11-trimethyl-8-methylenbicycloundec-4-en-6-ol (18,7%), its acyl derivative (7,8%), 3,7,7,10-tetramethyl-cycloundecen-3,5,9-trienol (1,5%), its acyl derivative (4,0%), β -caryophyllene epoxide (2,9%), aldehyde (7,5%).



14-Hydroxy- β -caryophyllene has been recently from *Juniperus oxycedrus* L. [1]. 6-Hydroxy- β -caryophyllene has been isolated from *Pendula Pubescens* buds [2], but publication are not contain spectroscopic information. There are unmistakable proofs of Holub's [3] and Hiltunen's [4] having been wrong in the qualitative analysis of *Betula* buds.

References

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