

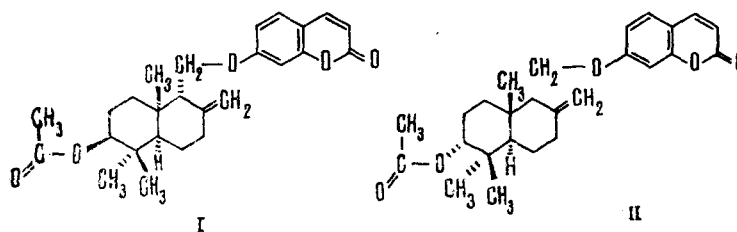
# THE CONFIGURATION OF POLYANTHIN AND POLYANTHININ

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The coumarins of *Ferula polyanthum* Eug. Korov., polyanthin and polyanthinin, are [1] natural acetates of mogoltadin [2] and gummosin [3], respectively. It has been shown [4] that mogoltadin is identical with farnesiferol A, in which the  $-\text{CH}_2-\text{O}-\text{Ar}$  group has the axial orientation. The same investigation gave additional proofs of the correctness of the configuration originally established for gummosin [3] with an axial  $-\text{CH}_2-\text{O}-\text{Ar}$  group. However, in our view, in the formulation of configuration of polyanthin and polyanthinin other authors [1] started from an incorrect conclusion concerning the equatorial orientation of this group in gummosin [5] and mogoltadin [2] (farnesiferol A [4]).

On the basis of the results of our recent work [4], polyanthin and polyanthinin must have configurations (I) and (II), respectively.



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