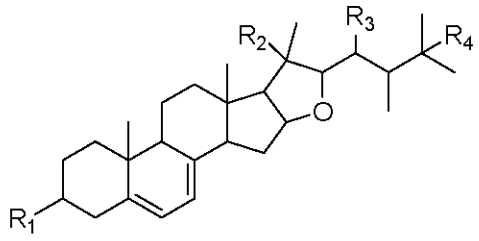
Abstract

The present invention pertains to pharmaceutical chemical field, and relates to a sterol derivative as well as preparation method and uses thereof. Specifically, the present invention relates to a compound of Formula I, or a pharmaceutically acceptable salt, ester or ether thereof, wherein, R_1 is selected from the group consisting of -OH, =O(carbonyl), H, and C_1-C_3 alkyl; R_2 is selected from the group consisting of -OH, H, and C_1-C_3 alkyl; R_3 is selected from the group consisting of -OH, =O, H, and C_1-C_3 alkyl; R_4 is selected from the group consisting of -OH, H, and C_1-C_3 alkyl; and none, one, two, three or four of R_1, R_2, R_3, and R_4 are -OH. The compound of the present invention can inhibit HMG-CoA reductase, tumor cellsand lipase effectively, and is a potential drug for reducing blood-fat, antitumors, or for losing weight.



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