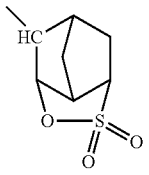
When z is 2, the plurality of R^{27} groups may be the same or different.

Examples of the alkyl group, alkoxy group, halogenated alkyl group, —COOR" group, —OC(═O)R" group and hydroxyalkyl group for R^{27} include the same alkyl groups, alkoxy groups, halogenated alkyl groups, —COOR" groups, —OC(═O)R" groups and hydroxyalkyl groups as those described above as the substituent for the —SO_2-containing cyclic group.

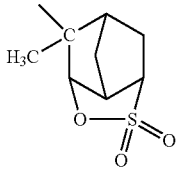
Specific examples of the cyclic groups represented by general formulas (3-1) to (3-4) are shown below. In the formulas shown below, "Ac" represents an acetyl group.

[Chemical Formula 23]

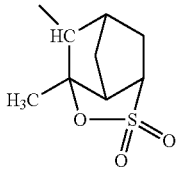
(3-1-1)



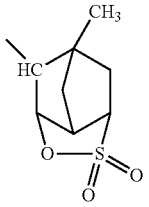
(3-1-2)



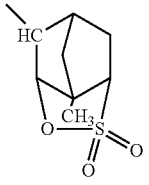
(3-1-3)



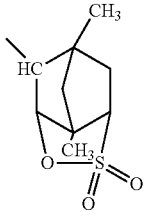
(3-1-4)



(3-1-5)



(3-1-6)



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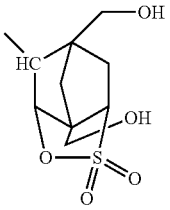
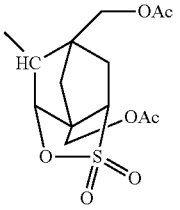
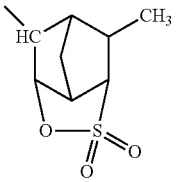
(3-1-7)



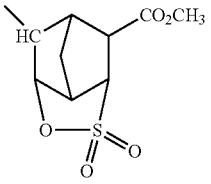
(3-1-8)



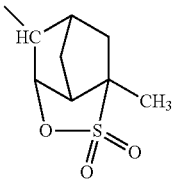
(3-1-9)



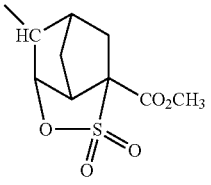
(3-1-10)



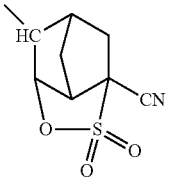
(3-1-11)



(3-1-12)



(3-1-13)



(3-1-14)