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NOMENCLATURE OF OPHIOBOLINS

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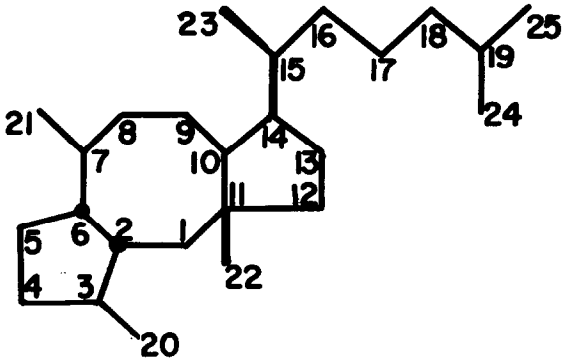
From the researches separately and independently performed by K. Tsuda et al. (1) and L. Canonica et al. (2), the structure of the phytotoxic principle of Helminthosporium orizae, which was named ophiobolin by the Japanese researchers and cochliobolin by the Italian ones, was elucidated, together with some analogous substances. In order to avoid any confusion in nomenclature, we now suggest the new trivial names mentioned in Tab. 1.

We also propose the name ''ophiobolane'' for the fundamental hydrocarbon of these compounds, the numbering and steric configuration of which are indicated in (I).

Table 1.

Names in literature	Semirational names	new trivial names
cochliobolin, (2,3) ophiobolin, (1,4) ophiobalin, (5) cochliobolin A, (6)	ophiobola-7,18-dien-21-al-3α-ol-5-one 14α,17-oxide	ophiobolin A
zizanin, (7) ophiobolosin A, (8) zizanin B, (1,9) cochliobolin B, (6)	ophiobola-7,18-dien-21-al-3α,14α-diol-5-one	ophiobolin B
zizanin A, (1,9)	ophiobola-7,18-dien-21-al-3α-ol-5-one	ophiobolin C
cephalonic acid, (10,11)	ophiobola-3,6,18-trien-8β-ol-21-oic acid	ophiobolin D



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