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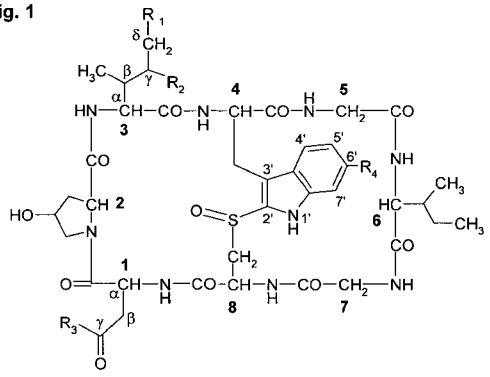
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(54) Title: AMATOXIN-CONJUGATES WITH IMPROVED LINKAGES

Fig. 1



| | $R_1$ | $R_2$ | $R_3$ | $R_4$ |
|---|---|---|---|---|
| α-amanitin | OH | OH | $NH_2$ | OH |
| β-amanitin | OH | OH | OH | OH |
| γ-amanitin | H | OH | $NH_2$ | OH |
| ε-amanitin | H | OH | OH | OH |
| amanin | OH | OH | OH | H |
| amaninamide | OH | OH | $NH_2$ | H |
| amanullin | H | H | $NH_2$ | OH |
| amanullinic acid | H | H | OH | OH |

(57) Abstract: The invention relates to tumour therapy. In one aspect, the present invention relates to conjugates of an amatoxin and a target-binding moiety, e.g. an antibody, connected by certain linkages, which are useful in the treatment of cancer. In a further aspect the invention relates to pharmaceutical compositions comprising such conjugates.

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