

Melamine salt of bis(methanol)phosphinic acids (melaphene) as a regulator of Rauwolfia serpentine specialized metabolism

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Abstract

The effect of melaphene on plant ability to synthesize alkaloids was studied. It is found that melaphene causes significant effect on growth and metabolism (at early growth stage) of Rauwolfia serpentine tissue culture. The mechanism is possibly determined by melaphene influence on secondary plant metabolism manifesting in alkaloids, in particular ajmaline, synthesis changes.
