

MODIFICATION OF ALKALOID STRUCTURE  
IN THE CONIUM DRUG WITH FULLERENES C<sub>60</sub>

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S u m m a r y

The antineoplastic drug Conium, whose active components are piperidine alkaloids, and the possibility of a modification of its properties by fullerenes C<sub>60</sub> are studied. The IR spectra of the mixture of the drug Conium and a fullerene water solution are obtained. The spectral manifestation of the formation of a complex of fullerene with one of the alkaloids, namely  $\gamma$ -coniceine, is detected. The existence of the complex and its spectral characteristics are confirmed by quantum-chemical computations with a Gaussian program. Moreover, the IR spectra are calculated, and the conformations of  $\gamma$ -coniceine are studied.