

## Tautomeric equilibria as a form of existence of matter. Structure and tautomerism of ametantrone – a medicinal substance of anthraquinone series.

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**Keywords:** tautomerism, rotational isomerism, electronic absorption spectra, quantum-chemical calculations, correlation analysis, anthraquinones, ametantrone.

### Abstract

Ametantrone is not a derivative of 9,10-antraquinone, it exists as a dynamic equilibrium mixture of hydrochlorides 4,9-bis(alkylamino)-1,10-antraquinone, 9-hydroxy-10-alkylamino-1,4-antraquinone-1-alkylimine and 4,9-dihydroxy-1,10-antraquinone-1,10-bis(alkylimine). Properties of ametantrone depend on the ratio of tautomers, changing under the influence of external factors.