

## **$^{31}\text{P}$ NMR spectroscopic researches of rutin-phosphotidilcholine complex**

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### **Abstract**

$^{31}\text{P}$  ЯМР the spectroscopy investigates chemical shifts of nucleus of phosphorus at formation of complexes rutin with membrane lecithin. Methods of quantum chemistry AM1 and DFT spend calculations of probable models of cooperating molecules. It is shown, that at formation of complexes there are changes in electronic structure of phosphorus.