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Czech J. Food Sci.

**Synytsya A., Fesslová
L., Marounek M.,**

Copikova J.: Sodium cholate sorption on *N*- octadecylpectinamide in comparison with cholestyramine

Czech J. Food Sci., 25 (2007): 32-38

N-Octadecylpectinamide is hydrophobically modified HM citrus pectin. Previously, it had been prepared by heterogeneous amino-de-alkoxylation of initial pectin with *n*-octadecylamine in dimethylsulphoxide and characterised as potential hydrophobic sorbent and cholesterol lowering agent. The sorption properties of *N*-octadecylpectinamide were analysed in comparison with cholestyramine, an effective bile acid sequestrant. Sorption experiments were carried out using sodium cholate as a model bile acid. Cholate concentration was estimated by enzymatic spectroscopic method. Sorption kinetics curves and sorption isotherms of both sorbents were constructed and analysed.

Keywords:

N-octadecylpctinamide; cholestyramine; sodium cholate; sorption kinetics; sorption isotherm

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