

## MODIFICATION OF BACTERIORHODOPSIN'S PHOTOCYCLE KINETICS

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### S u m m a r y

The kinetics of photoinduced changes in optical absorbance of bacteriorhodopsin's (BR) films containing sensibilizing compounds is investigated. On the base of the study of changes in the photochromic bacteriorhodopsin's films optical density and the half-life time of intermediate  $M_{412}$  as functions of the concentration of these compounds, the optimal composition of photosensitive BR films re worked out and their optical parameters are determined. The influence of sensibilizing compounds on the kinetics of the BR's photocycle is discussed from the viewpoint of the biomembranes' theory.