

Method for selective determination of ofloxacin by a potentiometric method comprises immersing a prepared solution with a silver chloride reference electrode and a sensor, for the production of which a compound of the rhodamine 6G ofloxacin ionic associate type is used as an electrode-active substance forming the basis of a potential-determining membrane, and dibutyl phthalate is used as a plasticizer. A potential difference is measured, and the ofloxacin content is determined by a calibration curve method constructed under similar conditions.