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Hub. Peeters and W. de Keersgieter, ELECTRO-CHROMATOGRAPHY OF THE LIPIDS OF NORMAL SERUM. Prot. of the Biol. Fluids, 1961, 225-232

K. Maertens and H. Peeters. ELECTROCHROM-ATOGRAPHY OF HUMAN OCCULAR LENS TIS-SUE. Prot. of the Biol. Fluids. 1961, 253-262 Sobtka, H. & Stewart, C. P. ADVANCES IN CLINICAL CHEMISTRY, VOL. 2, 1959, 91-134

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