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Author Sara Brolin		
Title (English) Combined effect of radionuclide tumour targeting and lysosomotropic substances		
Title (Swedish)		
Abstract <p>A combination of targeted therapy and lysosomotropic substances, such as 20 mM ammonium chloride (NH₄Cl), enhanced the uptake and retention of ¹²⁵I-EGF in the EGF-rich human squamous carcinoma cell line A431. The combined treatment with 20 mM NH₄Cl and ²¹¹At-EGF in the same cell line resulted in a tenfold decrease in survival compared to cells treated with ²¹¹At-EGF and 0 mM NH₄Cl. Combining 20 mM NH₄Cl with a ¹²⁵I-labelled affibody, binding the HER2-receptor, also had some effect on uptake and retention of the labelled affibody in the two HER2-rich cell lines SKOV-3 and SKBR-3.</p>		
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