

## ABSTRACT

The binding ability of two receptor specific peptides namely  $^{90}\text{Y}$ -DOTA-TATE and  $^{111}\text{In}$ -DOTA-TATE was studied in term of interspecies comparison by the method of equilibrium dialysis. This plasma protein binding was different for the chosen animal species (human, rat, rabbit, bovine eventually pork) whereas binding of  $^{90}\text{Y}$ -DOTA-TATE was higher than binding of  $^{111}\text{In}$ -DOTA-TATE.

## KEYWORDS:

Protein binding, radiopharmaceuticals, equilibrium dialysis,  $^{90}\text{Y}$ -DOTA-TATE,  $^{111}\text{In}$ -DOTA-TATE