

Public Abstract

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Graduation Term:FS 2016

Department:Nuclear Engineering

Degree:MS

Title:Dosimetry to Evaluate the Effect of Phosphoromidon on Lu177RM2

The focus of this research project was to determine the effects of Phosphoramidon on a Lu-177 radioimmunotherapy drug known during preclinical research as Lu-177-RM2. Biodistribution data was gained by analyzing the organs of sacrificed mice. By analyzing this data it is shown that phosphoramidon has a beneficial effect of the tumor uptake while keeping harmful effects to healthy tissues at an acceptable level.