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(54) Title: APOPTOSIS IMAGING AGENTS BASED ON LANTIBIOTIC PEPTIDES

(57) Abstract: The present invention relates to radiopharmaceutical imaging *in vivo* of apoptosis. The invention provides imaging agents which target apoptotic cells *via* selective binding to the aminophospholipid phosphatidylethanolamine (PE), which is exposed on the surface of apoptotic cells. The radiopharmaceuticals comprise radiometal complexes of chelator conjugates of PE-binding peptides. Also provided are pharmaceutical compositions, kits and methods of *in vivo* imaging.



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