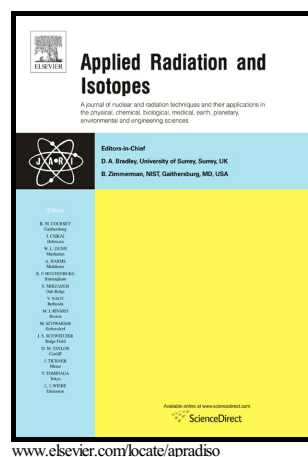


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**Development and validation of a reversed-phase HPLC method for
analysis of radiochemical purity in [123 I]IBZM**

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Abstract

[123 I]IBZM is used widely for *in vivo* imaging of D₂ receptors in human brain and shows relatively fast kinetics and a greater susceptibility to synaptic dopamine release than other single-photon emission computed tomography (SPECT) radioligands.

A reliable and reversed-phase HPLC method using UV/VIS and radiometric detectors has been developed for qualitative analysis of BZM and IBZM and radiochemical purity in [123 I]IBZM preparations. The method uses gradient elution on a Zorbax XDB C-18 column with a mobile phase that consists of 10 mM

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